



Broadband Coax Cables

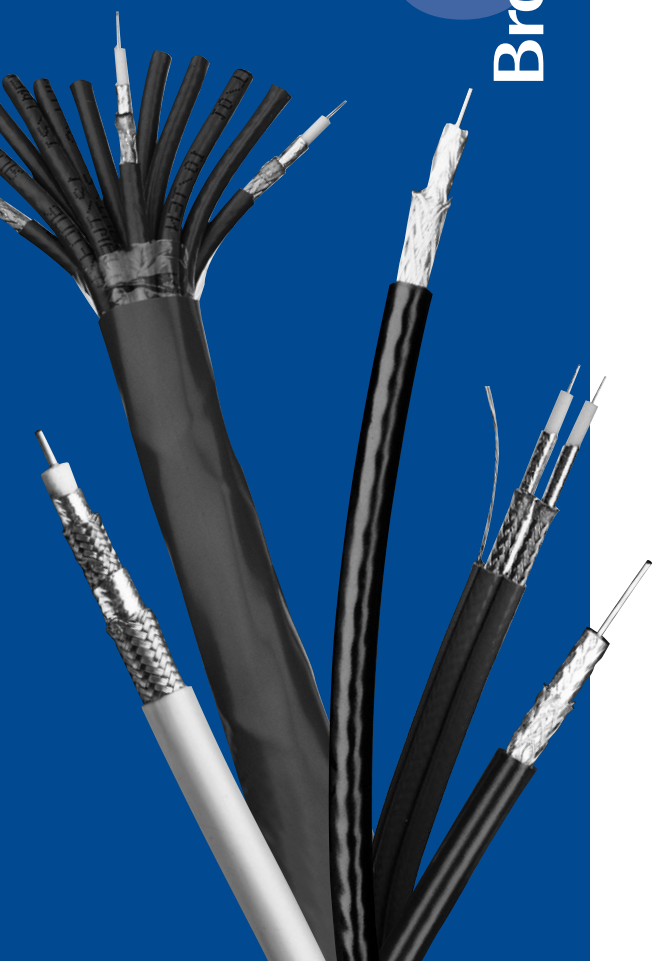


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Introduction



Bringing People Closer

Today, wireless communication is part of everyone's life as we increasingly communicate with each other and source information through networks such as cellular phones, TV broadcasting and WLAN. The strength of Belden is to anticipate market demands, adapt, invent and innovate to meet changing needs for increased bandwidth and easy installation.

Belden offers one of the most comprehensive, economical and modern ranges of reliable 75 Ohm and 50 Ohm coaxial cable products on the market. The distribution and drop coaxes feature Belden's innovative, high-performance Duobond Plus® shielding and/or Belden's Duobond® II shield.

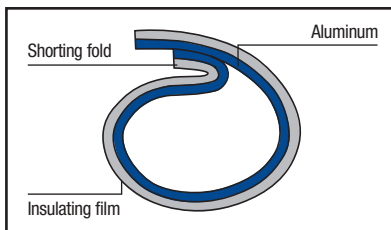
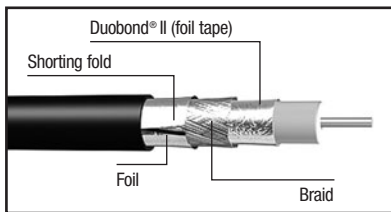
Key Applications

- Cable TV
- Satellite dish technology
- Broadband applications

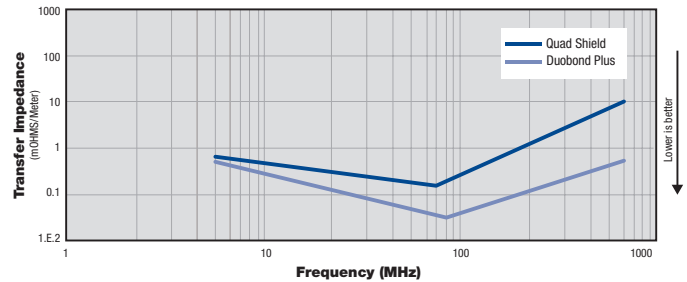
Special Features

75 Ohm CATV

- **Duobond Plus®**
Belden's Duobond Plus® has a three-shield construction consisting of a Duobond® II (foil tape) surrounded by a braid and an outer layer of foil with a unique shorting fold which creates the effect of a solid metal conduit. This combination offers superior high frequency shielding when compared with traditional Quad shields.



Duobond Plus® is faster to install, because the outer tape shield is bonded to the jacket and can be stripped easily in one step. Furthermore, this construction gives Duobond Plus® a smaller bending radius, greater flexibility and, compared to quad shielded coax, a 10 percent weight reduction.



Lower transfer impedance means better shielding performance.

Belden offers two different versions of Duobond Plus®:

- Better-Than-Quad (BTQ) with 50% shielding coverage.
- Better-Than-Triple (BTT) with 40% shielding coverage.

Better performance and easier installation are reasons why Duobond Plus® coax cables are so popular and widely used.

- **Duobond® II**

The foil/braid type combines Duobond with an outer braid. This is added to provide greater protection against interference and to increase overall tensile strength. The combination foil/braid shield combines the advantages of 100% foil coverage with the strength and low DC resistance of the braid.

- **FRNC/LSNH**

Belden has developed low-smoke (LS), fire-retardant (FR) and zero-halogen (ZH) cables. These three properties are annotated as FRNC/LSNH (also known as RNC/LSZH).

Introduction



What is Class A?

The demands for screening attenuation and transfer impedance of the CATV cables are defined by European Standard EN50117-2:

1. Drop, indoor 5 MHz to 1000 MHz
2. Drop, outdoor 5 MHz to 1000 MHz
3. Trunk and Distribution 5 MHz to 1000 MHz
4. Drop, indoor 5 MHz to 3000 MHz
5. Drop, outdoor 5 MHz to 3000 MHz

EN-50117-1 is the version for coax cables. Part 1 is the generic specification. This part requires that the test method of transfer impedance and the screening attenuation accords to EN 50289-1-6.

EN 50117 Screening Classes

| | |
|-----------|--|
| Class A++ | <ul style="list-style-type: none"> ≥ 105 dB from 30 MHz to 1000 MHz (screening attenuation) ≥ 95 dB from 1000 MHz to 2000 MHz (screening attenuation) ≥ 85 dB from 2000 MHz to 3000 MHz (screening attenuation) ≤ 0.9 mOhm/m from 5 to 30 MHz (transfer impedance) |
| Class A+ | <ul style="list-style-type: none"> ≥ 95 dB from 30 MHz to 1000 MHz (screening attenuation) ≥ 85 dB from 1000 MHz to 2000 MHz (screening attenuation) ≥ 75 dB from 2000 MHz to 3000 MHz (screening attenuation) ≤ 2.5 mOhm/m from 5 to 30 MHz (transfer impedance) |
| Class A | <ul style="list-style-type: none"> ≥ 85 dB from 30 MHz to 1000 MHz (screening attenuation) ≥ 75 dB from 1000 MHz to 2000 MHz (screening attenuation) ≥ 65 dB from 2000 MHz to 3000 MHz (screening attenuation) ≤ 5 mOhm/m from 5 to 30 MHz (transfer impedance) |
| Class B | <ul style="list-style-type: none"> ≥ 75 dB from 30 MHz to 1000 MHz (screening attenuation) > 65 dB from 1000 MHz to 2000 MHz (screening attenuation) > 55 dB from 2000 MHz to 3000 MHz (screening attenuation) ≤ 15 mOhm/m from 5 to 30 MHz (transfer impedance) |
| Class C | <ul style="list-style-type: none"> ≥ 75 dB from 30 MHz to 1000 MHz (screening attenuation) > 65 dB from 1000 MHz to 2000 MHz (screening attenuation) > 55 dB from 2000 MHz to 3000 MHz (screening attenuation) ≤ 50 mOhm/m from 5 to 30 MHz (transfer impedance) |

New Technologies Need Better Cables

- From analog to digital.
- More protection from electromagnetic interference for multimedia applications (telephony, internet or video-on-demand).
- Interactive services like Two-Way-TV (TWTV) need return-path capable cables, according to class A.
- Backwards: 5 - 30 (65) MHz - Forward: 47 (80) - 862 MHz.

Euroclass – European Union to Harmonize Test Standards and Transform All the National Regulations

The Construction Products Directive (CPD) was adopted in 1989. In 2002, the European Union published a series of harmonised test standards, called: Euroclass according to a classification in decreasing quality order from A to F:

Euroclass (draft: 2003)

- A - no inflammable material
- B* - Low flame height and heat production
- C* - Moderate flame height and heat production
- D* - Heat production comparable to that of burning construction wood
- E - Moderate flame height
- F - No fire performance requirement

* B = EN50399-2-2, C and D = EN50399-2-1

CENELEC is currently working on a final version to cover the next years.

Introduction



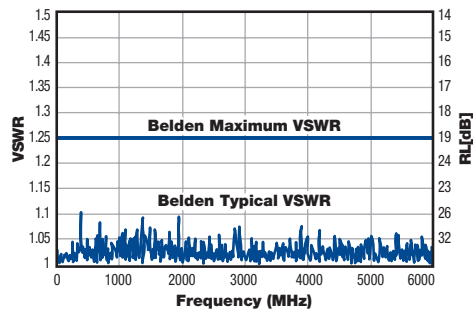
50 Ohm Wireless

Belden's 50 Ohm RF cables provide best-in-class transmission performance and superior EMI/RFI shielding for greater noise reduction. They are ruggedly constructed and designed to be flexible for easy installation and routing.

Features include:

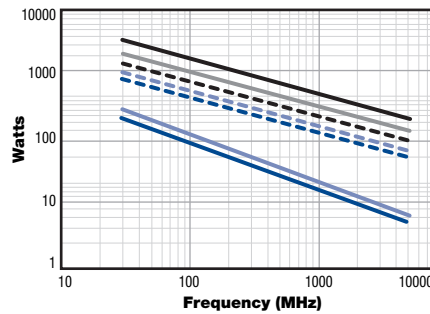
- Lowest Loss**
 Belden's 50 Ohm RF cables provide the lowest loss of any land mobile radio-type coaxial cables on the market (from 5% to 10% lower, depending on the design and frequency). The result is better signal transmission at the same distance, or longer transmission distance with less attenuation. All cables are 100% sweep tested to 6 GHz to assure performance in future high frequency applications.
- Low VSWR**
 VSWR is guaranteed to be 1.25:1 maximum over all frequencies (RL = -19 dB).
- High Velocity of Propagation**
 The foamed high-density polyethylene insulation provides the highest velocity of any land mobile radio-type flexible coaxial product on the market. The high-density material properties provide superior crush resistance to minimise impedance variations and return loss, ensuring high performance both before and after installation. (Part number 7805 utilizes a solid PE dielectric).
- Excellent Phase Stability**
 Belden's 50 Ohm RF cables exhibit excellent phase stability over both temperature changes and flexing, resulting in improved signal integrity and reliability.
- Superior RF Shielding**
 The combination foil/braid shield provides in excess of 100 dB of effective EMI/RFI shielding.
- Unbonded Foil Shields (on smaller constructions prevent connector shorting)**
 In the smaller designs – RF200 and under – the spacing between the foil shield and the centre pin of the connector is extremely small. During the cable stripping process, bonded foil shields tend to tear if not cleanly cut, leaving very small foil “stringers” that can short the shield to the center conductor. Unbonded shields allow for the tape to be cut back from the dielectric, thereby eliminating the potential shorting problem. The unbonded shields are featured on RF100A, RF100LL, RF195 and RF200. Larger constructions – including the new water-blocked (WB) versions – have sufficient spacing between the shield and centre pin, and therefore feature bonded foil shields.
- Unique Design**
 Belden's RF100LL is the only design of its type. It features a slightly larger center conductor and foamed polyethylene insulation, while maintaining the dimensions of the MIL-Spec cable, eliminating the need for special connectors. These two features combined produce an attenuation that is approximately 7% lower than the standard solid polyethylene RF100 design.
- Connector Compatibility**
 The RF series cables are compatible with all standard land mobile radio-type connectors, including Times Microwave, RF Industries, Amphenol, Trompeter, EF Johnson and others.
- Conformable Coax**
 For applications requiring low VSWR and high shield effectiveness, Belden's complete product range of 50 Ohm conformable coax cables offers unequalled performance. These patented cables serve as a replacement for semi-rigid cables and, unlike semi-rigid, they are hand formable.

Guaranteed VSWR



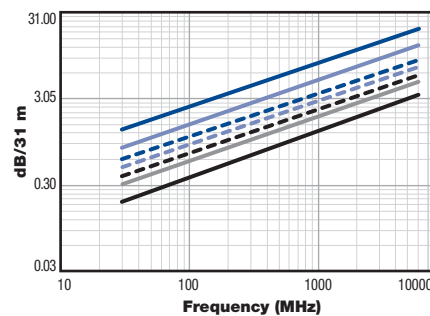
Note: Voltage Standing Wave Ratio (VSWR) is a measurement of the reflected power in a cable or instrument. The higher the VSWR the poorer the transmission characteristics of the cable.

Power Rating



Legend:
 — RF100A
 — RF100LL
 - - - RF195
 - - - RF200
 - - - RF240
 — RF300
 — RF400

Attenuation



Phase Stability

| Phase Attribute | Typical Range (0.45 GHz to 6.0 GHz) | |
|--|-------------------------------------|--------------|
| | ppm/°C | Degree/GHz/m |
| Temperature (-40°C to +55°C) ¹ | ± 9 | ± 0.6 |
| Bending & Flexing (25 cycles) ² | NA | ± 1.1 |

1: Per IEC 60965-1 clause 8.8
 2: Per IEC 60965-1 clause 8.6

Introduction



RF Cables Cross-Reference Guide

| RG Type | Cable Type | Belden Part No. | Amphenol | Commscope | Harbour Industries | Times Microwave |
|--------------|------------|-----------------|-------------|-----------|--------------------|-----------------|
| RG-174 | RF100A | 7805 | – | – | HPP100 | LMR®-100A |
| | RF100LL | 7805R | – | – | – | – |
| RG-58 | RF195 | 7806A | – | WBC™-195 | HPP100 | LMR®-195 |
| | RF195 | 7806R | – | WBC™-195R | on request | on request |
| | RF200 | 7807A | – | WBC™-200 | HPP200 | LMR®-200 |
| RG-8X | RF200 | 7807R | – | WBC™-200R | on request | on request |
| | RF240 | 7808A | TWB 2401 | WBC™-240 | HPP240 | LMR®-240 |
| | RF240 | 7808R | TWB 2401-FR | WBC™-240R | on request | on request |
| Intermediate | RF240 | 7808WB | – | – | – | – |
| | RF300 | 7809A | – | WBC™-300 | HPP300 | LMR®-300 |
| | RF300 | 7809R | – | WBC™-300R | on request | on request |
| RG-8 | RF300 | 7809WB | – | – | – | LMR®-300-DB |
| | RF400 | 7810A | TWB 4001 | WBC™-400 | HPP400 | LMR®-400 |
| | RF400 | 7810R | TWB 4001-FR | WBC™-400R | on request | on request |
| | RF400 | 7810WB | – | – | – | LMR®-400-DB |

WBC™ is a Commscope trademark.
LMR® is a Times Microwave trademark.

RG Cable Replacement Guide

| Belden Part No. | Size | Replacing |
|-----------------|---------|-----------|
| 7805 | RF100A | RG-174/U |
| 7805R | RF100LL | RG-174/U |
| 7806A | RF195 | RG-58/U |
| 7807A | RF200 | RG-58/U |
| 7808A | RF240 | RG-8X |
| 7809A | RF300 | RG-8X |
| 7810A | RF400 | RG-8/U |

Availability

Many of these cables are available off the shelf from distributors. If you have a new or unusual application or you cannot find a CATV cable in this catalog section that meets your technical requirements contact technical support at +31-77-3875-414 or techsupport.venlo@belden.com.

Corresponding Literature

Product Bulletins

- NP 182: Belden expands line of low loss 50 Ohm RF transmission cable
- NP 186: RF500 and RF600 low loss 50 Ohm
- NP E101: Messenger cable
- NP 230: Wi-Fi Tower shielded twisted pair

Connector Cross Reference



| Belden | Cabelcon Hardline | Cabelcon F-Crimp | Cabelcon F-Compression | Thomas & Betts | PPC Hardline | PPC F-Crimp | PPC F-Compression | Telegaertner (BNC) | ADC | ADC F-Crimp |
|--------------|-------------------|----------------------|------------------------|----------------------|--------------|-------------|--------------------|-----------------------------|----------|-------------|
| CX3C0 Coax 3 | Type -46 | - | - | EI, EFI and X Series | H011 | - | - | - | - | - |
| CX3C1 Coax 3 | Type -76 | - | - | EI, EFI and X Series | G012 | - | - | - | - | - |
| CX3C2 Coax 3 | Type -46 | - | - | EI, EFI and X Series | H011 | - | - | - | - | - |
| CX3C3 Coax 3 | Type -46 | - | - | EI, EFI and X Series | H011 | - | - | - | - | - |
| CX4C0 Coax 4 | Type -413 | - | - | EI, EFI and X Series | E019 | - | - | - | - | - |
| CX4C1 Coax 4 | Type -413 | - | - | EI, EFI and X Series | E019 | - | - | - | - | - |
| CX4C2 Coax 4 | Type -413 | - | - | EI, EFI and X Series | E019 | - | - | - | - | - |
| CX4C3 Coax 4 | Type -413 | - | - | EI, EFI and X Series | E019 | - | - | - | - | - |
| CT167C1 | Type -32 | - | - | - | - | - | - | - | - | - |
| CT167C3 | Type -32 | - | - | - | - | - | - | - | - | - |
| CT167C0 | Type -32 | - | - | - | - | - | - | - | - | - |
| CT167C2 | Type -32 | - | - | - | - | - | - | - | - | - |
| CT125C1 | Type -21 | F-56-UNIV 5.7/8.8 | - | - | - | - | - | - | BNC-27 | on request |
| CT125C3 | Type -21 | - | - | - | - | - | - | - | BNC-27 | on request |
| CT125C0 | Type -21 | - | - | - | - | - | - | - | BNC-27 | on request |
| CT100C0 | Type -01 | - | - | - | - | - | - | J01002A0000 | BNC-9 | CF-9 |
| CT100C3 | Type -01 | - | - | - | - | - | - | J01002A0000 | BNC-9 | CF-9 |
| CT100C1 | Type -01 | - | - | - | - | - | - | J01002A0000 | BNC-9 | CF-9 |
| RG6D00 DB+ | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | - | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| RG6D01 DB+ | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | - | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| RG7C01 | Type -245 | - | F-RG7-CX3 6.0 | - | - | - | - | - | BNC-27 | on request |
| RG7C02 | Type -245 | - | F-RG7-CX3 6.0 | - | - | - | - | - | BNC-27 | on request |
| RG7C00 | - | - | - | - | - | - | - | - | BNC-27 | on request |
| PRG11A2 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11A3 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11C0 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11C2 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11C4 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11C6 | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11D0 DB+ | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11D1 DB+ | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG11D3 DB+ | Type -32 | FM-RG11-ALM 7.4/11.7 | FM-RG11-CX3 7.5 | SNS11 Range | B004 | CFS 11 | EX11 | J01002A0054 (cut-away foil) | BNC-25-N | on request |
| PRG7A00 | Type -21 | F-56-UNIV 5.7/8.8 | F-56-CX3 5.7 | SNS7 Range | A031 | - | CMP PRG7 | - | - | - |
| PRG7A01 | Type -21 | F-56-UNIV 5.7/8.8 | F-56-CX3 5.7 | SNS7 Range | A031 | - | CMP PRG7 | - | - | - |
| PRG7C00 | Type -21 | F-56-UNIV 5.7/8.8 | F-56-CX3 5.7 | SNS7 Range | A031 | - | CMP PRG7 | - | - | - |
| PRG7C01 | Type -21 | F-56-UNIV 5.7/8.8 | F-56-CX3 5.7 | SNS7 Range | A031 | - | CMP PRG7 | - | - | - |

Connector Cross Reference (continued)



| Belden | Cabelcon Hardline | Cabelcon F-Crimp | Cabelcon F-Compression | Thomas & Betts | PPC Hardline | PPC F-Crimp | PPC F-Compression | Telegaertner (BNC) | ADC | ADC F-Crimp |
|-------------|-------------------|-------------------|------------------------|----------------|--------------|-------------|--------------------|--------------------|----------|-------------|
| RG6A00 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | – | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H105B00 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | – | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0013 | – | – |
| H106T00 | Type -11 | F-59-ALM 3.9/7.6 | F-59-CX3 3.9 | – | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A1352 | BNC-2-N | on request |
| H106T01 | Type -11 | F-59-ALM 3.9/7.6 | F-59-CX3 3.9 | – | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A1352 | BNC-2-N | on request |
| H109C00 | – | – | – | – | – | – | – | – | – | – |
| H109C02 | – | – | – | – | – | – | – | – | – | – |
| H126A00 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126A02 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126A03 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126D00 DB+ | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126D02 DB+ | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126D03 DB+ | Type -01 | F-56-UNIV 4.9/8.8 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H126D04 DB+ | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 4.9 | SNS6 Range | A025 | CFS 6 | EX6 4.9 + CMP6 4.9 | J01002A0000 | BNC-8-N | CF-8 |
| H125A00 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A01 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125C02 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A03 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A04 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A06 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A07 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125A08 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125C00 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0010 | BNC-9 | CF-9 |
| H125C01 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0038 | BNC-9 | CF-9 |
| H125C03 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0038 | BNC-9 | CF-9 |
| H125C04 | Type -01 | F-56-ALM 4.9/8.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0038 | BNC-9 | CF-9 |
| H125D00 | Type -01 | F-56-ALM 3.7/6.4 | F-56-CX3 5.1 | SNS59 Range | A025 | CFS 6 JSUV | EX6 5.1 + CMP6 5.1 | J01002A0038 | BNC-9 | CF-9 |
| H121A00 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-6 | on request |
| H121A01 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-6 | on request |
| H121A02 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-6 | on request |
| H121A03 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-6 | on request |
| H121A04 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-6 | on request |
| H121C00 | Type -106 | F-59-ALM 3.7/6.4 | F-59-CX3 3.7 | – | – | – | CMP MC 37 | J01002A0016 | BNC-26-N | on request |

9 • Broadband Coax Cables

Connector Cross Reference (continued)



| Belden | Cabelcon Hardline | Cabelcon F-Crimp | Cabelcon F-Compression | Thomas & Betts | PPC Hardline | PPC F-Crimp | PPC F-Compression | Telegaertner (BNC) | ADC | ADC F-Crimp |
|---------|-------------------|--------------------------|------------------------|----------------|--------------|-------------|-------------------|--------------------|----------|-------------|
| H123A02 | - | F-60-MINI 3.2/5.6 | - | Mini SNS Range | - | - | CMP MC 32 | J01002A0030 | BNC-26-N | on request |
| H123A01 | - | F-60-MINI 3.2/5.6 | - | Mini SNS Range | - | - | CMP MC 32 | J01000A0030 | BNC-26-N | on request |
| H123A00 | - | F-60-MINI 3.2/5.6 | - | Mini SNS Range | - | - | CMP MC 32 | J01000A0030 | - | - |
| H1000C3 | Type -201/50 | NM/50-RG213-EPA 7.6/12.0 | - | - | B503 | - | - | J01000A0063 | - | - |
| H1000C0 | Type -201/50 | NM/50-RG213-EPA 7.6/12.0 | - | - | B503 | - | - | J01000A0063 | - | - |
| H1000C1 | Type -201/50 | NM/50-RG213-EPA 7.6/12.0 | - | - | B503 | - | - | J01000A0063 | - | - |
| H1001C1 | Type -201/50 | NM/50-RG213-EPA 7.6/12.0 | - | - | B503 | - | - | J01000A0063 | - | - |
| H500C00 | Type -204/50 | - | - | - | - | - | - | J01000A0063 | - | - |
| MRG5900 | - | F-59-UNIV 3.9/8.4 | F-59-CX3 3.9 HEC | - | - | - | - | J01002A1352 | - | - |
| MRG2130 | Type -206/50 | NM/50-RG213-EPA 7.6/12.0 | - | - | B501 | - | - | J01000A0059 | - | - |
| MRG5800 | - | - | - | - | - | - | - | J01000F1255 | - | - |
| 1523A | - | - | - | SNS11AS | - | - | - | - | BNC-25-N | on request |
| 1524M | - | - | - | SNS11AS | - | - | - | - | BNC-25-N | on request |
| 9116 | - | - | - | SNS1PGU | - | - | - | - | BNC-20 | on request |
| 1674A | - | - | - | SNS1PGU | - | - | - | - | - | - |





Selection Guide: Class A Products

| Trunk and Distribution Cable | | | Drop Cable | |
|------------------------------|----------|---------|------------|---------|
| Class A++ | Class A+ | Class A | Class A | |
| CX3C0 | CX4C0 | CT167C0 | CT125C0 | H125D00 |
| CX3C1 | CX4C1 | CT167C1 | CT125C1 | H126D00 |
| CX3C2 | CX4C2 | CT167C2 | CT125C3 | H126D02 |
| CX3C3 | CX4C3 | CT167C3 | H121A03 | H126D03 |
| | PRG11D0 | PRG11A2 | H121A04 | H126D04 |
| | PRG11D1 | PRG11A3 | H123A01 | RG6D00 |
| | PRG11D3 | PRG11C0 | H123A02 | RG6D01 |
| | | PRG11C2 | | |
| | | PRG11C4 | | |
| | | PRG11C6 | | |
| | | 1523A | | |
| | | 1524M | | |
| | | 1525A | | |

Broadband Coax

Trunk Cables



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|---|--------------|----------------------------------|---------------------|------|-------------------------|-------|--|---------------------------------|-------|--|------------|---------------------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |
| Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | |
| 70°C | CX3C0 | | 2296 | 700 | 496.9 | 225.4 | 3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km** | 0.587 | 14.90 | Cu-foil + 60% BC Braid 2.6 Ω/km*** 15.8 mm | 0.780 | 19.80 | 75 | 84% | 16.5 | 54.0 | 5 | 0.1 | 0.4 |
| | | | 3444 | 1050 | 745.4 | 338.1 | | | | | | | | | | | 50 | 0.4 | 1.3 |
|  | | | | | | | | | | | | | | | | | | | |
| FB20 | | | | | | | | | | | | | | | | | | | |
| Return loss at 5-470 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: ≥ 23 dB | | | | | | | | | | | | | | | | | | | |
| 1000-2150 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m | | | | | | | | | | | | | | | | | | | |
| Screening Class: A++ | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 1200 N | | | | | | | | | | | | | | | | | | | |
| 1000 2.0 6.5 | | | | | | | | | | | | | | | | | | | |
| 1350 2.3 7.7 | | | | | | | | | | | | | | | | | | | |
| 1750 2.7 9.0 | | | | | | | | | | | | | | | | | | | |
| 2150 3.1 10.2 | | | | | | | | | | | | | | | | | | | |
| 2400 3.3 10.9 | | | | | | | | | | | | | | | | | | | |
| 70°C | CX3C3 | | 2296 | 700 | 626.5 | 284.2 | 3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km** | 0.587 | 14.90 | Cu-foil + 60% BC Braid 2.6 Ω/km*** 15.8 mm | 0.780 | 19.80 x 30.00 | 75 | 84% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB20 | | | | | | | | | | | | | | | | | | | |
| Return loss at 5-470 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: ≥ 23 dB | | | | | | | | | | | | | | | | | | | |
| 1000-2150 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m | | | | | | | | | | | | | | | | | | | |
| Screening Class: A++ | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 6000 N | | | | | | | | | | | | | | | | | | | |
| Available in Black. 7.2 mm ZP messenger | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | |
| 70°C | CX3C2 | IEC 332-1 | 2296 | 700 | 620.4 | 281.4 | 3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km** | 0.587 | 14.90 | Cu-foil + 60% BC Braid 2.6 Ω/km*** 15.8 mm | 0.780 | 19.80 | 75 | 84% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB20 | | | | | | | | | | | | | | | | | | | |
| Return loss at 5-470 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: ≥ 23 dB | | | | | | | | | | | | | | | | | | | |
| 1000-2150 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m | | | | | | | | | | | | | | | | | | | |
| Screening Class: A++ | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 1200 N | | | | | | | | | | | | | | | | | | | |
| Coax 3C • Solid 3.38 mm Bare Copper • Copper-Foil | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | |
| 70°C | CX3C1 | | 2296 | 700 | 419.8 | 190.4 | 3.38 mm Solid BC 4.5 Ω/km* 1.9 Ω/km** | 0.587 | 14.90 | Cu-foil 2.6 Ω/km*** 15.3 mm | 0.709 | 18.00 | 75 | 84% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB18 | | | | | | | | | | | | | | | | | | | |
| Return loss at 5-470 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | |
| 470-1000 MHz: ≥ 23 dB | | | | | | | | | | | | | | | | | | | |
| 1000-2150 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | | | | |
| Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | | | | | | | | |
| Transfer impedance at 5-30 MHz: ≤ 0.8 mΩ/m | | | | | | | | | | | | | | | | | | | |
| Screening Class: A++ | | | | | | | | | | | | | | | | | | | |
| Pulling Tension: 1200 N | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

Broadband Coax

Trunk Cables







| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | | | | | | | | | | |
|--|----------------|---------------------------------|------------------------------|------|-------------------------|-----------------------|--|---------------------------------|-------|---|--|-------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|---------------------|--|--|--|--|--|--|--|--|--|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | | | | | | | | | | | |
| Coax 3.5A • Solid 3.15 mm Copper-Clad Aluminium • Welded Aluminium Tube | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | YE00131 | | 3280 | 1000 | 282.2 | 128.0 | 3.15 mm Solid CCA 5.55 Ω/km* 3.5 Ω/km** | 0.513 | 13.03 | Welded Aluminum Tube 2.05 Ω/km*** 13.72 mm | 0.610 | 15.50 | 75 | 88% | 15.2 | 50.0 | 5 | 0.1 | 0.5 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 50 | 0.5 | 1.5 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 100 | 0.6 | 2.1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 200 | 1.0 | 3.1 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 400 | 1.4 | 4.5 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 862 | 2.1 | 6.9 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1000 | 2.3 | 7.4 | | | | | | | | | | | |
| Flooded | | | Return loss at | | | | 30-450 MHz: ≥ 30 dB | | | | Screening attenuation at 50-2150 MHz: ≥ 100 dB | | | | | | | | | | | | | | | | | | | |
| | | | | | | 450-600 MHz: ≥ 28 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 600-1000 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | YE00132 | | 3280 | 1000 | 407.9 | 185.0 | 3.15 mm Solid CCA 5.55 Ω/km* 3.5 Ω/km** | 0.513 | 13.03 | Welded Aluminum Tube 2.05 Ω/km*** 13.72 mm | 0.610 | 15.50 | 75 | 88% | 15.2 | 50.0 | see above | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | Return loss at | | | 30-450 MHz: ≥ 30 dB | | | | Screening attenuation at 50-2150 MHz: ≥ 100 dB | | | | | | |
| | | | | | | 450-600 MHz: ≥ 28 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 600-1000 MHz: ≥ 26 dB | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 2.75 mm Steel Wire messenger | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • CCA = Copper-Clad Aluminium

Broadband Coax

Trunk Cables



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|---|--------------|----------------------------------|---|------|-------------------------|-------|--|--|-------|--|------------|-------|---|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |
| Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil • 60% Bare Copper Braid | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | |
| 70°C | CX4C0 | | 1640 | 500 | 183.0 | 83.0 | 2.23 mm | 0.402 | 10.20 | Cu-foil + 60% BC Braid 4.5 Ω/km*** 11.0 mm | 0.543 | 13.80 | 75 | 82% | 16.5 | 54.0 | 5 | 0.2 | 0.6 |
| | | | 3280 | 1000 | 366.0 | 166.0 | Solid BC 9.0 Ω/km* 4.5 Ω/km** | 50 | 0.6 | | | | | | | | 1.9 | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB14 | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 400 N | | | | | 1000 3.0 10.0 1350 3.6 11.9 1750 4.2 13.9 2150 4.8 15.7 2400 5.1 16.8 | | | | | | |
| 70°C | CX4C3 | | 1640 | 500 | 248.0 | 112.5 | 2.23 mm | 0.402 | 10.20 | Cu-foil + 60% BC Braid 4.5 Ω/km*** 11.0 mm | 0.543 | 13.80 | 75 | 82% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB14 | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 6000 N | | | | | | | | | | | |
| Available in Black. 5.8 mm ZP messenger | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | |
| 70°C | CX4C2 | IEC 332-1 | 1640 | 500 | 211.6 | 96.0 | 2.23 mm | 0.402 | 10.20 | Cu-foil + 60% BC Braid 4.5 Ω/km*** 11.0 mm | 0.543 | 13.80 | 75 | 82% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB14 | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 400 N | | | | | | | | | | | |
| Coax 4C • Solid 2.23 mm Bare Copper • Copper-Foil | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | |
| 70°C | CX4C1 | | 1640 | 500 | 177.5 | 80.5 | 2.23 mm | 0.402 | 10.20 | Cu-foil 4.5 Ω/km*** 10.6 mm | 0.543 | 13.80 | 75 | 82% | 16.5 | 54.0 | see above | | |
|  | | | | | | | | | | | | | | | | | | | |
| FB14 | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m Screening Class: A+ Pulling Tension: 600 N | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • ZP = Stranded Zinc-Plated Steel

Broadband Coax

Distribution Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

CT167C • Solid 1.67 mm Bare Copper • Copper-Foil • 55 % Bare Copper Braid

| 5-Cell Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--|--------------------|-----|------|------|---|-------|------|---|------------------------|-------|----|-----|---|------|----|--|-----|-----|--------------------|-----|-----|------------------------|-----|-----|-----|------|------|-----|------|------|-----|
| 70°C | CT167C1 | | 328 | 100 | 24.5 | 11.1 | 1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km** | 0.287 | 7.28 | Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81% | 16.5 | 54.0 | 5 | 0.3 | 0.9 | | | | | | | | | | | | | | |
| | | | 820 | 250 | 61.2 | 27.8 | | | | | | | | | | | 50 | 0.9 | 2.8 | 230 | 1.8 | 6.0 | 470 | 2.9 | 9.4 | 862 | 3.8 | 12.6 | 1000 | 4.3 | 14.0 | 1350 | 5.0 |
| Return loss at | | | 5-470 MHz: ≥ 26 dB | | | | 470-1000 MHz: ≥ 23 dB | | | | 1000-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m | | | Screening Class: A | | | Pulling Tension: 300 N | | | | | | | | | |



| 5-Cell Polyethylene Insulation • Black RBS Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--|--------------------|-----|------|------|---|-------|------|---|------------------------|-------|----|-----|---|------|-----------|--|--|--|--------------------|--|--|------------------------|--|--|
| 70°C | CT167C3 | | 820 | 250 | 63.4 | 28.8 | 1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km** | 0.287 | 7.28 | Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81% | 16.5 | 54.0 | see above | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB | | | | 470-1000 MHz: ≥ 23 dB | | | | 1000-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m | | | Screening Class: A | | | Pulling Tension: 300 N | | |



RBS jacket

| 5-Cell Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|--|--------------------|-----|-------|------|---|-------|------|---|------------------------|-------|----|-----|---|------|-----------|--|--|--|--------------------|--|--|------------------------|--|--|
| 70°C | CT167C0 | | 820 | 250 | 52.4 | 23.8 | 1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km** | 0.287 | 7.28 | Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81% | 16.5 | 54.0 | see above | | | | | | | | | |
| | | | 1640 | 500 | 104.7 | 47.5 | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB | | | | 470-1000 MHz: ≥ 23 dB | | | | 1000-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m | | | Screening Class: A | | | Pulling Tension: 300 N | | |



| 5-Cell Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|-----------|--------------------|-----|-------|------|---|-------|------|---|------------------------|-------|----|-----|---|------|-----------|--|--|--|--------------------|--|--|------------------------|--|--|
| 70°C | CT167C2 | IEC 322-1 | 820 | 250 | 52.4 | 23.8 | 1.67 mm Solid BC 15.0 Ω/km* 8.5 Ω/km** | 0.287 | 7.28 | Cu-foil + 55% BC Braid 6.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81% | 16.5 | 54.0 | see above | | | | | | | | | |
| | | | 1640 | 500 | 104.7 | 47.5 | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 26 dB | | | | 470-1000 MHz: ≥ 23 dB | | | | 1000-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m | | | Screening Class: A | | | Pulling Tension: 300 N | | |



* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Broadband Coax

Distribution Cables



| De-scription | Part No. | UL NEC / C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | | | | | | | | | | | |
|---|----------|-----------------------------|---|-----|----------------------|------|---|---|------|---|------------|-------|---------------|--------------------|---------------------|------|---|------------|----------|------|-----|---|------|-----|------|------|-----|------|------|-----|------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m | | | | | | | | | | | | |
| Series 11 • 14 AWG • Solid 1.63 mm Copper-Covered Steel • Duobond® II • 60% Aluminum Braid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam Polyethylene Insulation • PVC Jacket (Black and White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80°C | 1523A | NEC: CATV | 1000 | 305 | 67.0 | 30.4 | 1.63 mm 14 AWG Solid CCS 49.6 Ω/km* 36.1 Ω/km** | 0.280 | 7.11 | Duobond® II + 60% AL Braid 13.4 Ω/km*** 7.98 mm | 0.400 | 10.16 | 75 | 83% | 16.2 | 53.1 | 5 | 0.3 | 1.1 | | | | | | | | | | | | |
| | | CEC: CM | | | | | | | | | | | | | | | | | | 240 | 1.8 | 5.8 | 450 | 2.5 | 8.0 | 862 | 3.5 | 11.4 | 1000 | 3.8 | 12.4 |
| | | Return loss at | 5-470 MHz: ≥ 23 dB 470-862 MHz: ≥ 20 dB 862-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 1156 N Sweep tested. 5 MHz to 1 GHz. | | | | | | | | | | | | | | | | | | | | | | | |
| 80°C | 1524AM | Aerial | 1000 | 305 | 90.0 | 40.8 | 1.63 mm 14 AWG Solid CCS 49.6 Ω/km* 36.1 Ω/km** | 0.280 | 7.11 | Duobond® II + 60% AL Braid 13.4 Ω/km*** 7.98 mm | 0.400 | 10.16 | 75 | 83% | 16.2 | 53.1 | see above | | | | | | | | | | | | | | |
| | | Return loss at | | | | | | | | | | | | | | | 5-470 MHz: ≥ 23 dB 470-862 MHz: ≥ 20 dB 862-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 2400 N Sweep tested. 5 MHz to 1 GHz. | | | | | | | | | |
| 1.83 mm galvanized steel messenger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80°C | 1525A | Burial | 1000 | 305 | 60.2 | 27.3 | 1.63 mm 14 AWG Solid CCS 49.6 Ω/km* 36.1 Ω/km** | 0.280 | 7.11 | Duobond® II + 60% AL Braid 13.4 Ω/km*** 7.98 mm | 0.400 | 10.16 | 75 | 83% | 16.2 | 53.1 | see above | | | | | | | | | | | | | | |
| | | Return loss at | | | | | | | | | | | | | | | 5-470 MHz: ≥ 23 dB 470-862 MHz: ≥ 20 dB 862-2150 MHz: ≥ 18 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 1156 N Sweep tested. 5 MHz to 1 GHz. | | | | | | | | | |
| Core Guard® | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRG11C • Solid 1.55 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG11C0 | | 820 | 250 | 37.5 | 17.0 | 1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | 5 | 0.3 | 0.9 | | | | | | | | | | | | |
| | | | 1640 | 500 | 75.0 | 34.0 | | | | | | | | | | | 230 | 1.8 | 6.0 | 470 | 2.7 | 8.8 | 862 | 3.7 | 12.2 | 1000 | 4.1 | 13.6 | 1350 | 4.9 | 16.1 |
| | | Return loss at | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 225 N | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 m put-up available in Black only. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG11C6 | | 820 | 250 | 63.4 | 28.8 | 1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | see above | | | | | | | | | | | | | | |
| | | | 1640 | 500 | 126.8 | 57.5 | | | | | | | | | | | 1750 | 5.7 | 18.7 | 2150 | 6.4 | 21.1 | 2400 | 6.9 | 22.5 | 3000 | 7.8 | 25.7 | | | |
| | | Return loss at | 5-470 MHz: ≥ 26 dB 470-1000 MHz: ≥ 23 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 4600 N | | | | | | | | | | | | | | | | | | | | | | | |
| Available in Black. 4.6 mm ZP messenger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • CCS = Copper-Covered Steel • AL = Aluminum • ZP = Stranded Zinc-Plated Steel

Duobond® II see technical information page 23.13.

Broadband Coax

Distribution Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

PRG11C • Solid 1.55 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|-----------|------|-----|------|------|---|-------|------|--|-------|-------|----|-----|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|-----|
| 70°C | PRG11C2 | IEC 332-1 | 820 | 250 | 45.2 | 20.5 | 1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | 5 | 0.3 | 0.9 | | | | | | | | | | | | | | |
| | | | 1640 | 500 | 90.4 | 41.0 | | | | | | | | | | | 50 | 0.9 | 2.8 | 230 | 1.8 | 6.0 | 470 | 2.7 | 8.8 | 862 | 3.7 | 12.2 | 1000 | 4.1 | 13.6 | 1350 | 4.9 |



Return loss at 5-470 MHz: ≥ 26 dB
 470-1000 MHz: ≥ 23 dB
 1000-2000 MHz: ≥ 18 dB
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
 Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
 Screening Class: A
 Pulling Tension: 225 N

Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---------|------|-----|------|------|---|-------|------|--|-------|-------|----|-----|------|------|-----------|-----|-----|-----|-----|-----|-----|-----|------|------|-----|------|------|-----|------|
| 70°C | PRG11C4 | 820 | 250 | 44.6 | 20.3 | 1.55 mm Solid BC 20.0 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Cu-foil + 50% BC Braid 10.6 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | see above | | | | | | | | | | | | | | |
| | | 1640 | 500 | 89.3 | 40.5 | | | | | | | | | | | 230 | 1.8 | 6.0 | 470 | 2.7 | 8.8 | 862 | 3.7 | 12.2 | 1000 | 4.1 | 13.6 | 1350 | 4.9 | 16.1 |



Return loss at 5-470 MHz: ≥ 26 dB
 470-1000 MHz: ≥ 23 dB
 1000-2000 MHz: ≥ 18 dB
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
 Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
 Screening Class: A
 Pulling Tension: 225 N

1000 m put-up available in Black only.

PRG11A • Solid 1.55 mm Bare Copper • Duofoil® • 50% Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|------|-----|------|------|---|-------|------|---|-------|-------|----|-----|------|------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|
| 70°C | PRG11A3 | 1640 | 500 | 67.2 | 30.5 | 1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | 5 | 0.3 | 0.9 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 50 | 0.9 | 2.9 | 230 | 2.0 | 6.4 | 470 | 2.8 | 9.3 | 862 | 4.0 | 13.0 | 1000 | 4.3 |



Return loss at 5-470 MHz: ≥ 26 dB
 470-1000 MHz: ≥ 23 dB
 1000-2000 MHz: ≥ 18 dB
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
 Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
 Screening Class: A
 Pulling Tension: 225 N

Gas-Injected Polyethylene Insulation • White PVC Jacket

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|---------|------|-----|------|------|---|-------|------|---|-------|-------|----|-----|------|------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|
| 70°C | PRG11A2 | 1640 | 500 | 86.0 | 39.0 | 1.55 mm Solid BC 22.2 Ω/km* 9.4 Ω/km** | 0.285 | 7.25 | Duofoil® + 50% TC Braid 12.8 Ω/km*** 7.9 mm | 0.398 | 10.10 | 75 | 81% | 16.8 | 55.0 | see above | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 50 | 0.9 | 2.9 | 230 | 2.0 | 6.4 | 470 | 2.8 | 9.3 | 862 | 4.0 | 13.0 | 1000 | 4.3 |



Return loss at 5-470 MHz: ≥ 26 dB
 470-1000 MHz: ≥ 23 dB
 1000-2000 MHz: ≥ 18 dB
 2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
 Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
 Screening Class: A
 Pulling Tension: 225 N




* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Broadband Coax

Distribution Cables



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | |
|--|-------------|----------------------------------|---------------------|-----|-------------------------|------|--|---------------------------------|------|--|------------|-------|---------------------|--------------------------|------------------------|--|---------------------|--|--------------|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | |
| PRG11D • Solid 1.55 mm Bare Copper • Duobond Plus® • 50 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG11D3 | | 820 | 250 | 34.7 | 15.8 | 1.55 mm | 0.285 | 7.25 | Duobond Plus® + 50% TC Braid 9.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81 % | 16.8 | 55.0 | 5 | 0.3 | 0.9 | |
| | | | 1640 | 500 | 69.4 | 31.5 | Solid BC 18.9 Ω/km* 9.4 Ω/km** | 50 | 0.9 | | | | | | | | 2.8 | | | |
|  | BTQ | | | | | | | | | | | | | | | | 230 | 1.9 | 6.2 | |
| | | | | | | | | | | | | | | | | | 470 | 2.8 | 9.1 | |
| | | | | | | | | | | | | | | | 862 | 3.9 | 12.7 | | | |
| | | | | | | | | | | | | | | | 1000 | 4.2 | 13.9 | | | |
| | | | | | | | | | | | | | | | 1350 | 5.0 | 16.5 | | | |
| | | | | | | | | | | | | | | | 1750 | 5.8 | 19.0 | | | |
| | | | | | | | | | | | | | | | 2150 | 6.4 | 21.1 | | | |
| | | | | | | | | | | | | | | | 2400 | 6.9 | 22.5 | | | |
| | | | | | | | | | | | | | | | 3000 | 7.7 | 25.2 | | | |
| Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG11D1 | IEC 332-1 | 1640 | 500 | 97.0 | 44.0 | 1.55 mm | 0.285 | 7.25 | Duobond Plus® + 70% TC Braid 7.0 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81 % | 16.8 | 55.0 | see above | | | |
| | | | | | | | Solid BC 16.4 Ω/km* 9.4 Ω/km** | | | | | | | | | | | | | |
|  | BTQ | | | | | | | | | | | | | | | | Return loss at | | | |
| | | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 26 dB | Screening attenuation at 30-1000 MHz: ≥ 105 dB | | |
| | | | | | | | | | | | | | | | 470-1000 MHz: ≥ 23 dB | Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m | | | | |
| | | | | | | | | | | | | | | | 1000-2000 MHz: ≥ 18 dB | Screening Class: A+ | | | | |
| | | | | | | | | | | | | | | | 2000-3000 MHz: ≥ 16 dB | Pulling Tension: 250 N | | | | |
| Gas-Injected Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG11D0 | | 1640 | 500 | 83.8 | 38.0 | 1.55 mm | 0.285 | 7.25 | Duobond Plus® + 50% TC Braid 9.5 Ω/km*** 8.1 mm | 0.398 | 10.10 | 75 | 81 % | 16.8 | 55.0 | see above | | | |
| | | | | | | | Solid BC 18.9 Ω/km* 9.4 Ω/km** | | | | | | | | | | | | | |
|  | BTQ | | | | | | | | | | | | | | | | Return loss at | | | |
| | | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 26 dB | Screening attenuation at 30-1000 MHz: ≥ 105 dB | | |
| | | | | | | | | | | | | | | | 470-1000 MHz: ≥ 23 dB | Transfer impedance at 5-30 MHz: ≤ 1.9 mΩ/m | | | | |
| | | | | | | | | | | | | | | | 1000-2000 MHz: ≥ 18 dB | Screening Class: A+ | | | | |
| | | | | | | | | | | | | | | | 2000-3000 MHz: ≥ 16 dB | Pulling Tension: 250 N | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duobond Plus® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

CT125C • Solid 1.25 mm Bare Copper • Copper-Foil • 51% Bare Copper Braid

| 5-Cell Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | |
|---|---------|------|------|-------|------|--|-------|------|--|-------|------|----|-----|------|------|------|-----|------|------|-----|------|
| 70°C | CT125C1 | 820 | 250 | 31.4 | 14.3 | 1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km** | 0.217 | 5.50 | Cu-foil + 51% BC Braid 13.5 Ω/km*** 6.2 mm | 0.307 | 7.80 | 75 | 81% | 16.5 | 54.0 | 50 | 1.1 | 3.5 | 230 | 2.4 | 7.8 |
| | | 1640 | 500 | 62.8 | 28.5 | | | | | | | | | | | 470 | 3.5 | 11.6 | 862 | 4.7 | 15.5 |
| | | 3280 | 1000 | 125.7 | 57.0 | | | | | | | | | | | 1000 | 5.2 | 17.0 | 1750 | 6.7 | 22.0 |



Return loss at 5-470 MHz: ≥ 23 dB
470-1000 MHz: ≥ 20 dB
1000-2000 MHz: ≥ 18 dB
2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
Screening Class: A
Pulling Tension: 100 N

| 5-Cell Polyethylene Insulation • Black RBS Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
|---|---------|------|------|-------|------|--|-------|------|--|-------|------|----|-----|------|------|-----------|--|--|--|--|
| 70°C | CT125C3 | 1640 | 500 | 88.2 | 40.0 | 1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km** | 0.217 | 5.50 | Cu-foil + 51% BC Braid 13.5 Ω/km*** 6.2 mm | 0.307 | 7.80 | 75 | 81% | 16.5 | 54.0 | see above | | | | |
| | | 3280 | 1000 | 176.4 | 80.0 | | | | | | | | | | | | | | | |



RBS jacket

Return loss at 5-470 MHz: ≥ 23 dB
470-1000 MHz: ≥ 20 dB
1000-2000 MHz: ≥ 18 dB
2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
Screening Class: A
Pulling Tension: 100 N

| 5-Cell Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
|--|---------|------|-----|------|------|--|-------|------|--|-------|------|----|-----|------|------|-----------|--|--|--|--|
| 70°C | CT125C0 | 328 | 100 | 15.0 | 6.8 | 1.25 mm Solid BC 28.5 Ω/km* 15.0 Ω/km** | 0.217 | 5.50 | Cu-foil + 51% BC Braid 13.5 Ω/km*** 6.2 mm | 0.307 | 7.80 | 75 | 81% | 16.5 | 54.0 | see above | | | | |
| | | 820 | 250 | 37.5 | 17.0 | | | | | | | | | | | | | | | |
| | | 1640 | 500 | 75.0 | 34.0 | | | | | | | | | | | | | | | |



Return loss at 5-470 MHz: ≥ 23 dB
470-1000 MHz: ≥ 20 dB
1000-2000 MHz: ≥ 18 dB
2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m
Screening Class: A
Pulling Tension: 100 N

RG7C • Solid 1.25 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | |
|---|--------|------|-----|------|------|--|-------|------|--|-------|------|----|-----|------|------|-----|-----|------|-----|-----|------|
| 70°C | RG7C01 | 820 | 250 | 34.4 | 15.6 | 1.25 mm Solid BC 26.5 Ω/km* 14.5 Ω/km** | 0.224 | 5.70 | Cu-foil + 50% BC Braid 12.0 Ω/km*** 6.3 mm | 0.319 | 8.10 | 75 | 82% | 16.5 | 54.0 | 5 | 0.4 | 1.2 | 50 | 1.0 | 3.4 |
| | | 1640 | 500 | 68.9 | 31.3 | | | | | | | | | | | 100 | 1.5 | 4.9 | 230 | 2.3 | 7.5 |
| | | | | | | | | | | | | | | | | 400 | 3.1 | 10.1 | 800 | 4.5 | 14.6 |



Return loss at 5-470 MHz: ≥ 23 dB
470-1000 MHz: ≥ 20 dB
1000-2000 MHz: ≥ 18 dB
2000-3000 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m
Screening Class: B
Pulling Tension: 90 N

| Gas-Injected Polyethylene Insulation • Black FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
|--|------------------|------|-----|------|------|--|-------|------|--|-------|------|----|-----|------|------|-----------|--|--|--|--|
| 70°C | RG7C02 IEC 332-1 | 820 | 250 | 34.4 | 15.6 | 1.25 mm Solid BC 26.5 Ω/km* 14.5 Ω/km** | 0.224 | 5.70 | Cu-foil + 50% BC Braid 12.0 Ω/km*** 6.3 mm | 0.319 | 8.10 | 75 | 82% | 16.5 | 54.0 | see above | | | | |
| | | 1640 | 500 | 68.9 | 31.3 | | | | | | | | | | | | | | | |



Return loss at 5-470 MHz: ≥ 23 dB
470-1000 MHz: ≥ 20 dB
1000-2000 MHz: ≥ 18 dB
2000-3000 MHz: ≥ 16 dB






Screening attenuation at 30-1000 MHz: ≥ 85 dB
Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m
Screening Class: B
Pulling Tension: 90 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Broadband Coax

Drop Cables



| De-scription | Part No. | UL NEC / C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | | |
|---|----------|----------------------------|------------------------|-------|----------------------|------|---|------------------------------|------|--|------------|------|---------------|--------------------|---------------------|------|---------------------|------------|----------|------|--|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m | | | |
| RG7C • Solid 1.25 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | RG7C00 | | 820 | 250 | 34.4 | 15.6 | 1.25 mm Solid BC 26.5 Ω/km* 14.5 Ω/km** | 0.224 | 5.70 | Cu-foil + 50% BC Braid 12.0 Ω/km*** 6.3 mm | 0.319 | 8.10 | 75 | 82% | 16.5 | 54.0 | 5 | 0.5 | 1.5 | | | |
| | | | 1640 | 500 | 68.9 | 31.3 | | | | | | | | | | | 50 | 1.1 | 3.5 | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | | | | 1000 | | | 5.2 | | | 17.0 | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | | | | 1350 | | | 5.9 | | | 19.5 | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | Screening Class: B | | | | | | | 1750 | | | 6.7 | | | 22.0 | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | Pulling Tension: 90 N | | | | | | | 2150 | | | 7.9 | | | 26.0 | | |
| | | | | | | | | | | | | | | 2400 | | | 8.2 | | | 27.0 | | |
| PRG7C • Solid 1.2 mm Bare Copper • Copper-Foil • 40% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Polyethylene Jacket (Black or Green) | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG7C01 | | 820 | 250 | 22.6 | 10.3 | 1.2 mm Solid BC 34.6 Ω/km* 15.6 Ω/km** | 0.213 | 5.40 | Cu-foil + 40% BC Braid 19.0 Ω/km*** 5.84 mm | 0.280 | 7.10 | 75 | 83% | 16.5 | 54.0 | 5 | 0.4 | 1.2 | | | |
| | | | 1640 | 500 | 45.2 | 20.5 | | | | | | | | | | | 50 | 1.1 | 3.6 | | | |
| | | | 3280 | 1000 | 90.4 | 41.0 | | | | | | | | | | | 100 | 1.6 | 5.2 | | | |
| | | | | | | | | | | | | | | | | | 230 | 2.4 | 7.9 | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | | | | 1000 | | | 5.2 | | | 17.1 | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | | | | 1350 | | | 6.1 | | | 20.1 | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | Screening Class: B | | | | | | | 1750 | | | 7.1 | | | 23.2 | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | Pulling Tension: 80 N | | | | | | | 2150 | | | 7.9 | | | 26.0 | | |
| | | | | | | | | | | | | | | 2400 | | | 8.4 | | | 27.7 | | |
| 250 m put-up available in Black only. | | | | | | | | | | | | | | | | | | | | | | |
| PRG7C00 | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG7C00 | | B-328 | B-100 | 10.4 | 4.7 | 1.2 mm Solid BC 34.6 Ω/km* 15.6 Ω/km** | 0.213 | 5.40 | Cu-foil + 40% BC Braid 19.0 Ω/km*** 5.84 mm | 0.280 | 7.10 | 75 | 83% | 16.5 | 54.0 | see above | | | | | |
| | | | 820 | 250 | 25.9 | 11.8 | | | | | | | | | | | 50 | 1.1 | 3.6 | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | | | | 1000 | | | 5.2 | | | 17.1 | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | | | | 1350 | | | 6.1 | | | 20.1 | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | Screening Class: B | | | | | | | 1750 | | | 7.1 | | | 23.2 | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | Pulling Tension: 80 N | | | | | | | 2150 | | | 7.9 | | | 26.0 | | |
| | | | | | | | | | | | | | | 2400 | | | 8.4 | | | 27.7 | | |
| 1000 m put-up available in Black only. | | | | | | | | | | | | | | | | | | | | | | |
| PRG7A • Solid 1.2 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG7A00 | | 328 | 100 | 9.7 | 4.4 | 1.2 mm Solid BC 39.6 Ω/km* 15.6 Ω/km** | 0.213 | 5.40 | Duofoil® + 40% TC Braid 24.0 Ω/km*** 5.84 mm | 0.280 | 7.10 | 75 | 83% | 16.5 | 54.0 | 5 | 0.5 | 1.6 | | | |
| | | | | | | | | | | | | | | | | | 50 | 1.2 | 3.9 | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | | | | 1000 | | | 5.3 | | | 17.5 | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | Transfer impedance at 5-30 MHz: ≤ 39.0 mΩ/m | | | | | | | 1350 | | | 6.3 | | | 20.6 | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | Screening Class: C | | | | | | | 1750 | | | 7.3 | | | 23.8 | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | Pulling Tension: 80 N | | | | | | | 2150 | | | 8.2 | | | 26.8 | | |
| | | | | | | | | | | | | | | 2400 | | | 8.7 | | | 28.6 | | |
| PRG7A01 | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | PRG7A01 | | 3280 | 1000 | 147.7 | 67.0 | 1.2 mm Solid BC 39.6 Ω/km* 15.6 Ω/km** | 0.213 | 5.40 | Duofoil® + 40% TC Braid 24.0 Ω/km*** 5.84 mm | 0.280 | 7.10 | 75 | 83% | 16.5 | 54.0 | see above | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | | | | 1000 | | | 5.3 | | | 17.5 | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | Transfer impedance at 5-30 MHz: ≤ 39.0 mΩ/m | | | | | | | 1350 | | | 6.3 | | | 20.6 | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | Screening Class: C | | | | | | | 1750 | | | 7.3 | | | 23.8 | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | Pulling Tension: 3500 N | | | | | | | 2150 | | | 8.2 | | | 26.8 | | |
| | | | | | | | | | | | | | | 2400 | | | 8.7 | | | 28.6 | | |
| 3.6 mm ZP messenger | | | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • ZP = Stranded Zinc-Plated Steel Duofoil® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

Series 6 • Solid 1.02 mm Copper-Covered Steel • Duobond® II • 60% Aluminum Braid

| Gas-Injected Foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|----------------------------------|--------------------|--------------|--------------|--------------|---|-------|------|--|-----------------------|------|----|-----|---|------|------|------|---|--|--|--|--------------------|--|--|--|
| 80°C | 9116 | NEC: CATV CM CEC: CM | U-1000 1000 | U-305 305 | 30.0 31.1 | 13.6 14.1 | 1.016 mm Solid CCS 121.3 Ω/km* 91.9 Ω/km** | 0.180 | 4.57 | Duobond® II + 60% AL Braid 29.5 Ω/km*** 5.4 mm | 0.270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5 | 0.5 | 1.8 | | | | | | | |
| | | | | | | | | | | | | | | | | | 55 | 1.5 | 4.8 | | | | | | | |
| | | | | | | | | | | | | | | | | | 240 | 2.8 | 9.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | 450 | 3.9 | 12.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | 862 | 5.5 | 18.0 | | | | | | | |
| | | | | | | | | | | | | | | | | | 1000 | 6.0 | 19.7 | | | | | | | |
| | | | | | | | | | | | | | | | | | 1450 | 7.8 | 25.6 | | | | | | | |
| | | | | | | | | | | | | | | | | | 1800 | 8.6 | 28.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | 2250 | 9.8 | 32.2 | | | | | | | |
| | | | | | | | | | | | | | | | | | 3000 | 11.3 | 37.1 | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | 470-862 MHz: ≥ 20 dB | | | | 862-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | Screening Class: B | | | |

Series 6 • Solid 1.02 mm Copper-Covered Steel • Duobond® III • 60% Aluminum Braid Shield

| Gas-Injected Foam Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|----------------------------------|--------------------|--------------|--------------|--------------|---|-------|------|---|-----------------------|------|----|-----|---|------|-----------|--|---|--|--|--|--------------------|--|--|--|
| 80°C | 9118 | NEC: CATV CM CEC: CM | U-1000 1000 | U-305 305 | 30.0 30.0 | 13.6 13.6 | 1.016 mm Solid CCS 113.2 Ω/km* 91.9 Ω/km** | 0.180 | 4.57 | Duobond® III + 60% AL Braid Duofoil® 21.3 Ω/km*** 5.4 mm | 0.278 | 7.06 | 75 | 83% | 16.2 | 53.1 | see above | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | 470-862 MHz: ≥ 20 dB | | | | 862-2150 MHz: ≥ 18 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | Screening Class: B | | | |

RG6D • Solid 1.0 mm Copper-Covered Steel • Duobond Plus® • 50% Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|--------------------|-------|------|------|--|-------|------|---|------------------------|------|----|-----|------------------------|------|------|------|--|--|--|--|--|--|--|--|--------------------|--|--|--|------------------------|--|--|--|
| 70°C | RG6D01 | | U-820 | U-250 | 27.0 | 12.3 | 1.0 mm Solid CCS 69.0 Ω/km* 55.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | 5 | 0.5 | 1.8 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 50 | 1.4 | 4.7 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 100 | 2.0 | 6.5 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 230 | 3.0 | 9.8 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 400 | 4.0 | 13.0 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 800 | 5.7 | 18.7 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 862 | 5.9 | 19.5 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1000 | 6.4 | 21.1 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1350 | 7.6 | 24.9 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 1750 | 8.8 | 28.8 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 2150 | 9.8 | 32.3 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 2400 | 10.5 | 34.4 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 3000 | 12.0 | 39.2 | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | Screening Class: A | | | | Pulling Tension: 570 N | | | |

| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|--------------------|-------|------|------|--|-------|------|---|------------------------|------|----|-----|------------------------|------|-----------|--|--|--|--|--|--|--|--|--|--------------------|--|--|--|------------------------|--|--|--|
| 70°C | RG6D00 | | U-820 | U-250 | 25.9 | 11.8 | 1.0 mm Solid CCS 71.0 Ω/km* 55.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 40% TC Braid 16.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | Screening Class: A | | | | Pulling Tension: 570 N | | | |

RG6A • Solid 1.0 mm Copper-Covered Steel • Duofoil® • 40% Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------------|--|--------------------|----------------|--------------|-------------|--|-------|------|---|------------------------|------|----|-----|------------------------|------|-----------|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|------------------------|--|--|--|
| 70°C | RG6A00 | | B-328 U-820 | B-100 U-250 | 10.6 26.5 | 4.8 12.0 | 1.0 mm Solid CCS 131.0 Ω/km* 105.0 Ω/km** | 0.180 | 4.57 | Duofoil® + 40% TC Braid 26.0 Ω/km*** 5.3 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m | | | | Screening Class: C | | | | Pulling Tension: 570 N | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • AL = Aluminum • CCS = Copper-Covered Steel
Duofoil®, Duobond® II, Duobond® III and Duobond Plus® see technical information page 23.13.

Broadband Coax

Drop Cables



| De-scription | Part No. | UL NEC / C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------|----------------------------|-------------------------------|------------------------------|------------------------------|-----------------------------|---|------------------------------|------|--|------------|------|------------------------|--------------------|---------------------|------|---------------------|------------------------|----------|--|--|--|--|--|--|--|--|---|--|--|--|--|--------------------|--|--|--|--|-----------------------|--|--|--|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m | | | | | | | | | | | | | | | | | | | | | | | |
| H126D (RG6) • Solid 1.0 mm Bare Copper • Duobond Plus® • 50 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H126D04 | | 1640 | 500 | 44.1 | 20.0 | 1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | 5 | 0.5 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTQ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | 470-1000 MHz: ≥ 18 dB | | | | | 1000-2000 MHz: ≥ 16 dB | | | | | 2000-3000 MHz: ≥ 15 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | | Screening Class: A | | | | | Pulling Tension: 55 N | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H126D03 | IEC 332-3 | B-328 U-820 1640 | B-100 U-250 500 | 10.8 27.0 54.0 | 4.9 12.3 24.5 | 1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTQ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | 470-1000 MHz: ≥ 18 dB | | | | | 1000-2000 MHz: ≥ 16 dB | | | | | 2000-3000 MHz: ≥ 15 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | | Screening Class: A | | | | | Pulling Tension: 55 N | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H126D02 | | B-328 U-820 1640 | B-100 U-250 500 | 10.8 27.0 54.0 | 4.9 12.3 24.5 | 1.0 mm Solid BC 37.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTQ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | 470-1000 MHz: ≥ 18 dB | | | | | 1000-2000 MHz: ≥ 16 dB | | | | | 2000-3000 MHz: ≥ 15 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | | Screening Class: A | | | | | Pulling Tension: 55 N | | | | |
| 500 m put-up available in Black only. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H126D00 | | B-328 U-820 1640 | B-100 U-250 500 | 10.4 25.9 51.8 | 4.7 11.8 23.5 | 1.0 mm Solid BC 39.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond Plus® + 40% TC Braid 16.0 Ω/km*** 5.4 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | 470-1000 MHz: ≥ 18 dB | | | | | 1000-2000 MHz: ≥ 16 dB | | | | | 2000-3000 MHz: ≥ 15 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.5 mΩ/m | | | | | Screening Class: A | | | | | Pulling Tension: 55 N | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H126A (RG6) • Solid 1.0 mm Bare Copper • Duofoil® • 35% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H126A00 | | B-328 U-820 984 1640 | B-100 U-250 300 500 | 10.6 26.5 31.7 53.5 | 4.8 12.0 14.4 24.3 | 1.0 mm Solid BC 49.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duofoil® + 35% TC Braid 26.0 Ω/km*** 5.25 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BTT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | 470-1000 MHz: ≥ 18 dB | | | | | 1000-2000 MHz: ≥ 16 dB | | | | | 2000-3000 MHz: ≥ 15 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m | | | | | Screening Class: C | | | | | Pulling Tension: 55 N | | | | |
| B-100 m put-up available in White only. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duofoil® and Duobond Plus® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. |

H126A (RG6) • Solid 1.0 mm Bare Copper • Duobond® II • 70% Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|-------|-------|------|------|------|---|-------|------|---|-------|------|----|-----|------|--------------------|-----|------|-----|-----------------------|--|--|--|------------------------|--|--|--|------------------------|--|--|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|-----------------------|--|--|--|
| 70°C | H126A03 | 656 | | 200 | 23.4 | 10.6 | 1.0 mm Solid BC 40.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond® II + 70% TC Braid 17.0 Ω/km*** 5.25 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | 5 | 0.5 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | U-820 | U-250 | 29.2 | 13.3 | 50 | | | | | | | | | | | 1.4 | 4.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1640 | 500 | 58.4 | 26.5 | 100 | | | | | | | | | | | 2.0 | 6.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 230 | | | | | | | | | | | 3.0 | 9.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 400 | | | | | | | | | | | 4.0 | 13.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 800 | 5.7 | 18.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 862 | 5.9 | 19.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1000 | 6.4 | 21.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1350 | 7.6 | 24.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1750 | 8.8 | 28.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2150 | 9.8 | 32.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2400 | 10.5 | 34.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 3000 | 12.0 | 39.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | Transfer impedance at 5-30 MHz: ≤ 25.0 mΩ/m | | | | Screening Class: C | | | | Pulling Tension: 55 N | | | |

| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|----------------|-------|-------|------|------|---|-------|------|---|-------|------|----|-----|------|------|--------------------|--|--|--|-----------------------|--|--|--|------------------------|--|--|--|------------------------|--|--|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|-----------------------|--|--|--|
| 70°C | H126A02 | U-820 | U-250 | 25.9 | 11.8 | 1.0 mm Solid BC 45.0 Ω/km* 23.0 Ω/km** | 0.180 | 4.57 | Duobond® II + 50% TC Braid 22.0 Ω/km*** 5.25 mm | 0.272 | 6.90 | 75 | 82% | 16.5 | 54.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | Transfer impedance at 5-30 MHz: ≤ 50.0 mΩ/m | | | | Screening Class: C | | | | Pulling Tension: 55 N | | | |

H109C • Solid 1.0 mm Bare Copper • Copper-Foil • 55% Bare Copper Braid

| 5-Cell Polyethylene Insulation • PVC Jacket (Black or Brown) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------|------|-------|-------|---|-------|------|--|-------|------|----|-----|------|------|--------------------|-----|-----|--|-----------------------|--|--|--|------------------------|--|--|--|------------------------|--|--|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|-----------------------|--|--|--|
| 70°C | H109C00 | 820 | 250 | 27.0 | 12.3 | 1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km** | 0.185 | 4.70 | Cu-foil + 55% BC Braid 15.0 Ω/km*** 5.2 mm | 0.262 | 6.65 | 75 | 80% | 17.1 | 56.0 | 5 | 0.5 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1640 | 500 | 54.0 | 24.5 | | | | | | | | | | | 50 | 1.4 | 4.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 16400 | 5000 | 540.1 | 245.0 | | | | | | | | | | | 100 | 2.0 | 6.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 230 | 3.0 | 9.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 400 | 4.1 | 13.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 800 | 5.9 | 19.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 862 | 5.9 | 19.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1000 | 6.6 | 21.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1750 | 8.8 | 29.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2150 | 9.9 | 32.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2400 | 10.6 | 34.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m | | | | Screening Class: B | | | | Pulling Tension: 55 N | | | |

| 5-Cell Polyethylene Insulation • FRNC/LSNH Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-----------|--|-----|-----|------|------|---|-------|------|--|-------|------|----|-----|--------------------|------|-----------|--|-----------------------|--|--|--|------------------------|--|--|--|------------------------|--|--|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|-----------------------|--|--|--|
| 70°C | H109C02 | IEC 332-1 | | 820 | 250 | 24.8 | 11.3 | 1.0 mm Solid BC 41.0 Ω/km* 26.0 Ω/km** | 0.185 | 4.70 | Cu-foil + 55% BC Braid 15.0 Ω/km*** 5.2 mm | 0.262 | 6.65 | 75 | 80% | 17.1 | 56.0 | see above | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 20 dB | | | | 470-1000 MHz: ≥ 18 dB | | | | 1000-2000 MHz: ≥ 16 dB | | | | 2000-3000 MHz: ≥ 15 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m | | | | Screening Class: B | | | | Pulling Tension: 55 N | | | |

H125C • Solid 1.0 mm Bare Copper • Copper-Foil • 40% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------|-------|-------|------|------|---|-------|------|--|-------|------|----|-----|------|------|--------------------|-----|------|--|-----------------------|--|--|--|------------------------|--|--|--|------------------------|--|--|--|---|--|--|--|---|--|--|--|--------------------|--|--|--|-----------------------|--|--|--|
| 70°C | H125C01 | B-328 | B-100 | 8.6 | 3.9 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Cu-foil + 40% BC Braid 18.0 Ω/km*** 5.4 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | 5 | 0.4 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 820 | 250 | 21.5 | 9.8 | | | | | | | | | | | 50 | 1.3 | 4.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1640 | 500 | 43.0 | 19.5 | | | | | | | | | | | 100 | 1.9 | 6.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 230 | 2.8 | 9.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 400 | 3.8 | 12.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 800 | 5.4 | 17.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 862 | 5.6 | 18.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1000 | 6.1 | 19.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1350 | 7.1 | 23.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1750 | 8.2 | 27.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2150 | 9.2 | 30.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 2400 | 9.8 | 32.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | | | | | | | | | | | | | | 5-470 MHz: ≥ 23 dB | | | | 470-1000 MHz: ≥ 20 dB | | | | 1000-2000 MHz: ≥ 18 dB | | | | 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB | | | | Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m | | | | Screening Class: B | | | | Pulling Tension: 55 N | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duobond® II see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | |
|---|-------------|----------------------------------|--|-----------------------------|-------------------------------|-----------------------------|---|---------------------------------|------|---|---|---------------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | |
| H125C • Solid 1.0 mm Bare Copper • Copper-Foil • 40% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125C04 | IEC 332-1 | 1640 | 500 | 49.6 | 22.5 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Cu-foil + 40% BC Braid 18.0 Ω/km*** 5.4 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | 5 | 0.4 | 1.4 | |
| | | | | | | | Return loss at | | | | | | | | | | | | | |
| | | | | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Crème, Grey or White) | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125C00 | | B-328 820 1640 3280 | B-100 250 500 1000 | 10.4 25.9 51.8 103.6 | 4.7 11.8 23.5 47.0 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Cu-foil + 40% BC Braid 18.0 Ω/km*** 5.4 mm | 0.268 0.531 | 6.80 13.50 | 75 | 81% | 16.8 | 55.0 | see above | | | |
| | | | | | | | Return loss at | | | | | | | | | | | | | |
| | | | | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | |
| | | | Brown, Crème and Grey available in B-100 m only. | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125C03 | | 820 | 250 | 49.1 | 22.3 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Cu-foil + 40% BC Braid 18.0 Ω/km*** 5.24 mm | 0.268 0.531 | 6.80 13.50 | 75 | 81% | 16.8 | 55.0 | see above | | | |
| | | | | | | | Return loss at | | | | | | | | | | | | | |
| | | | | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | |
| | | | ShotGun | | | | | | | | | | | | | | | | | |
| H125A • Solid 1.0 mm Bare Copper • Duofoil® • 70% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125A08 | | 1640 | 500 | 45.2 | 20.5 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 70% TC Braid 18.0 Ω/km*** 5.5 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | 5 | 0.5 | 1.8 | |
| | | | | | | | Return loss at | | | | | | | | | | | | | |
| | | | | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125A07 | IEC 332-1 | B-328 1640 | B-100 500 | 10.8 54.0 | 4.9 24.5 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 70% TC Braid 18.0 Ω/km*** 5.5 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | see above | | | |
| | | | | | | | Return loss at | | | | | | | | | | | | | |
| | | | | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

H125A • Solid 1.0 mm Bare Copper • Duofoil® • 70 % Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
|---|---------|--|------------------------|-----------------------|----------------------|---------------------|---|---|------|---|-------|------|----|-----|------|------|---|-----|-----|--|
| 70°C | H125A06 | | B-328 U-820 1640 | B-100 U-250 500 | 10.6 26.5 52.9 | 4.8 12.0 24.0 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 70% TC Braid 18.0 Ω/km*** 5.5 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | 5 | 0.5 | 1.8 | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | | | | | | | | |

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
|--|---------|--|----------------------|---------------------|---------------------|--------------------|---|---|------|---|-------|------|----|-----|------|------|--|--|--|-----------|
| 70°C | H125A01 | | B-328 820 1640 | B-100 250 500 | 8.2 20.4 40.8 | 3.7 9.3 18.5 | 1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | | | | see above |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N | | | | | | | | | | | | |

| Gas-Injected Polyethylene Insulation • Grey FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
|--|---------|-----------|----------------|--------------|-------------|-------------|---|---|------|---|-------|------|----|-----|------|------|--|--|--|-----------|
| 70°C | H125A03 | IEC 332-1 | B-328 1640 | B-100 500 | 9.3 46.3 | 4.2 21.0 | 1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | | | | see above |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N | | | | | | | | | | | | |

| Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Brown, Grey or White) | | | | | | | | | | | | | | | | | | | | |
|---|---------|--|------------------------|--------------|---------------------|---------------------|---|---|------|---|-------|------|----|-----|------|------|--|--|--|-----------|
| 70°C | H125A00 | | B-328 U-820 1640 | B-100 500 | 9.7 24.3 48.5 | 4.4 11.0 22.0 | 1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm | 0.268 | 6.80 | 75 | 81% | 16.8 | 55.0 | | | | see above |
| Brown, Crème and Grey available in B-100 m only. | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N | | | | | | | | | | | | |

| Gas-Injected Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
|---|---------|--|----------------|-----|------|------|---|---|------|---|----------------|---------------|----|-----|------|------|--|--|--|-----------|
| 70°C | H125A04 | | 820 | 250 | 46.8 | 21.3 | 1.0 mm Solid BC 50.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 40% TC Braid 27.0 Ω/km*** 5.4 mm | 0.268 0.559 | 6.80 14.20 | 75 | 81% | 16.8 | 55.0 | | | | see above |
| ShotGun | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N | | | | | | | | | | | | |

| Gas-Injected Polyethylene Insulation • Black PE Jacket | | | | | | | | | | | | | | | | | | | | |
|--|---------|--|----------------|-----|------|------|---|---|------|---|-------|--------------------|----|-----|------|------|--|--|--|-----------|
| 70°C | H125A02 | | 1640 | 500 | 83.8 | 38.0 | 1.0 mm Solid BC 41.0 Ω/km* 23.0 Ω/km** | 0.189 | 4.80 | Duofoil® + 50% TC Braid 18.0 Ω/km*** 5.4 mm | 0.268 | 6.80 x 12.00 | 75 | 81% | 16.8 | 55.0 | | | | see above |
| 4.4 mm ZP messenger | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 3500 N | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • ZP = Stranded Zinc-Plated Steel
Duofoil® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | |
|---|-------------|----------------------------------|---------------------|-------|-------------------------|------|---|---------------------------------|------|---|------------|------|---------------------|--------------------------|------------------------|---|---------------------|----------------|--------------|--|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | | |
| H125D • Solid 1.0 mm Bare Copper • Duobond Plus® • 50 % Tinned Copper Shield | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PE Jacket (Green with White Stripes) | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H125D00 | | 1640 | 500 | 45.2 | 20.5 | 1.0 mm | 0.189 | 4.80 | Duobond Plus® + 50% TC Braid 14.0 Ω/km*** 5.6 mm | 0.280 | 7.10 | 75 | 80% | 16.8 | 55.0 | 5 | 0.5 | 1.7 | | |
| | | | 3280 | 1000 | 90.4 | 41.0 | Solid BC 37.0 Ω/km* 23.0 Ω/km** | | | | | | | | | | 50 | 1.4 | 4.7 | | |
| <p>Shorting Fold</p> | | | | | | | | | | | | | | | | | | | | | |
| BTQ | | | | | | | | | | | | | | | | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | | | | | Screening attenuation at 30-1000 MHz: ≥ 95 dB Transfer impedance at 5-30 MHz: ≤ 5.0 mΩ/m Screening Class: A Pulling Tension: 60 N | | | | | |
| CT100C • Solid 1.0 mm Bare Copper • Copper-Foil • 53 % Bare Copper Braid | | | | | | | | | | | | | | | | | | | | | |
| 5-Cell Polyethylene Insulation • PVC Jacket (Black, Brown and White) | | | | | | | | | | | | | | | | | | | | | |
| 70°C | CT100C0 | | 328 | 100 | 11.5 | 5.2 | 1.0 mm | 0.185 | 4.70 | Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm | 0.262 | 6.65 | 75 | 82% | 16.8 | 55.0 | 50 | 1.5 | 4.6 | | |
| | | | 820 | 250 | 28.1 | 13.0 | Solid BC 41.0 Ω/km* 26.0 Ω/km** | | | | | | | | | | 230 | 3.0 | 9.8 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | |
| 500 m put-up available in Black only. | | | | | | | | | | | | | | | | | | | | | |
| CT100C3 • Solid 1.0 mm Bare Copper • Copper-Foil • 53 % Bare Copper Braid | | | | | | | | | | | | | | | | | | | | | |
| 5-Cell Polyethylene Insulation • PVC RBS Jacket (Black and White) | | | | | | | | | | | | | | | | | | | | | |
| 70°C | CT100C3 | | 328 | 100 | 11.2 | 5.1 | 1.0 mm | 0.185 | 4.70 | Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm | 0.262 | 6.65 | 75 | 82% | 16.8 | 55.0 | see above | | | | |
| | | | 820 | 250 | 28.1 | 12.8 | Solid BC 41.0 Ω/km* 26.0 Ω/km** | | | | | | | | | | 230 | 3.0 | 9.8 | | |
| <p>RBS jacket</p> | | | | | | | | | | | | | | | | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | |
| CT100C1 • Solid 1.0 mm Bare Copper • Duofoil® • 31 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | |
| 5-Cell Polyethylene Insulation • Black FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | | |
| 70°C | CT100C1 | | 3280 | 1000 | 116.8 | 53.0 | 1.0 mm | 0.185 | 4.70 | Cu-foil + 53% BC Braid 15.0 Ω/km*** 5.35 mm | 0.262 | 6.65 | 75 | 82% | 16.8 | 55.0 | see above | | | | |
| | | | | | | | Solid BC 41.0 Ω/km* 26.0 Ω/km** | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 55 N | | | | | |
| H124A • Solid 1.0 mm Bare Copper • Duofoil® • 31 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H124A00 | | B-328 | B-100 | 6.8 | 3.1 | 1.0 mm | 0.173 | 4.40 | Duofoil® + 31% TC Braid 23.0 Ω/km*** 5.1 mm | 0.232 | 5.90 | 75 | 84% | 16.2 | 53.0 | 5 | 0.6 | 2.0 | | |
| | | | U-820 | U-250 | 17.1 | 7.8 | Solid BC 58.0 Ω/km* 35.0 Ω/km** | | | | | | | | | | 50 | 1.4 | 4.5 | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 23 dB 470-1000 MHz: ≥ 20 dB 1000-2000 MHz: ≥ 18 dB 2000-3000 MHz: ≥ 16 dB | | | | | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 40.0 mΩ/m Screening Class: C Pulling Tension: 55 N | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® and Duobond Plus® see technical information page 23.13.

Broadband Coax

Drop Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | |
|--|-------------|---------------------------------|------------------------|---------------------|-------------------------|--------------------|--|--|------|---|------------|------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | |
| H121C • Solid 0.8 mm Bare Copper • Copper-Foil • 45% Bare Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121C00 | | B-328 1640 | B-100 500 | 6.0 29.8 | 2.7 13.5 | 0.8 mm Solid BC 59.0 Ω/km* 35.0 Ω/km** | 0.138 | 3.50 | Cu-foil + 45% BC Braid 24.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | 5 | 0.5 | 1.7 | |
| | | | | | | | | | | | | | | | | | | 50 | 1.6 | 5.3 |
| | | | | | | | | | | | | | | | | | | 100 | 2.3 | 7.5 |
| | | | | | | | | | | | | | | | | | | 230 | 3.5 | 11.4 |
| | | | | | | | | | | | | | | | | | | 400 | 4.6 | 15.1 |
| | | | | | | | | | | | | | | | | | | 800 | 6.6 | 21.7 |
| | | | | | | | | | | | | | | | | | | 862 | 6.9 | 22.6 |
| | | | | | | | | | | | | | | | | | | 1000 | 7.5 | 24.5 |
| | | | | | | | | | | | | | | | | | | 1350 | 8.8 | 28.7 |
| | | | | | | | | | | | | | | | | | | 1750 | 10.1 | 33.0 |
| | | | | | | | | | | | | | | | | | | 2150 | 11.3 | 36.9 |
| | | | | | | | | | | | | | | | | | | 2400 | 12.0 | 39.2 |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 80 dB | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 18 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 10.0 mΩ/m | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 16 dB | | | | | Screening Class: B | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 15 dB | | | | | Pulling Tension: 40 N | | | | | | | | | | | | |
| H121A • Solid 0.8 mm Bare Copper • Duofoil® • 75% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A03 | | B-328 1640 | B-100 500 | 6.4 32.0 | 2.9 14.5 | 0.8 mm Solid BC 55.0 Ω/km* 35.0 Ω/km** | 0.138 | 3.50 | Duofoil® + 75% TC Braid 20.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | 5 | 0.7 | 2.3 | |
| | | | | | | | | | | | | | | | | | | 50 | 1.8 | 5.9 |
| | | | | | | | | | | | | | | | | | | 100 | 2.5 | 8.1 |
| | | | | | | | | | | | | | | | | | | 230 | 3.7 | 12.1 |
| | | | | | | | | | | | | | | | | | | 400 | 4.8 | 15.9 |
| | | | | | | | | | | | | | | | | | | 800 | 6.9 | 22.7 |
| | | | | | | | | | | | | | | | | | | 862 | 7.2 | 23.6 |
| | | | | | | | | | | | | | | | | | | 1000 | 7.8 | 25.6 |
| | | | | | | | | | | | | | | | | | | 1350 | 9.1 | 30.0 |
| | | | | | | | | | | | | | | | | | | 1750 | 10.5 | 34.5 |
| | | | | | | | | | | | | | | | | | | 2150 | 11.8 | 38.6 |
| | | | | | | | | | | | | | | | | | | 2400 | 12.5 | 41.0 |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 18 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.2 mΩ/m | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 16 dB | | | | | Screening Class: A | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 15 dB | | | | | Pulling Tension: 45 N | | | | | | | | | | | | |
| H121A04 • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White FRNC/LSNH Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A04 | IEC 332-1 | B-328 1640 | B-100 500 | 7.3 36.4 | 3.3 16.5 | 0.8 mm Solid BC 55.0 Ω/km* 35.0 Ω/km** | 0.138 | 3.50 | Duofoil® + 75% TC Braid 20.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 18 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 4.2 mΩ/m | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 16 dB | | | | | Screening Class: A | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 15 dB | | | | | Pulling Tension: 45 N | | | | | | | | | | | | |
| H121A01 • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A01 | | 1640 3280 | 500 1000 | 22.0 44.1 | 10.0 20.0 | 0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km** | 0.138 | 3.50 | Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 18 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 16 dB | | | | | Screening Class: C | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 15 dB | | | | | Pulling Tension: 40 N | | | | | | | | | | | | |
| H121A00 • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A00 | | B-328 820 1640 | B-100 250 500 | 6.4 16.0 32.0 | 2.9 7.3 14.5 | 0.8 mm Solid BC 75.0 Ω/km* 35.0 Ω/km** | 0.138 | 3.50 | Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | see above | | | |
| Return loss at | | | 5-470 MHz: ≥ 20 dB | | | | | Screening attenuation at 30-1000 MHz: ≥ 75 dB | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 18 dB | | | | | Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 16 dB | | | | | Screening Class: C | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 15 dB | | | | | Pulling Tension: 40 N | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
Duofoil® see technical information page 23.13.

Broadband Coax

Drop Cables



| De-scription | Part No. | UL NEC / C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | | | |
|---|----------|----------------------------|------------------|------|----------------------|---------|---|---|---|---|------------|------|---------------|--------------------|---------------------|--------------|---------------------|------------|----------|------|------|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m | | | |
| H121A • Solid 0.8 mm Bare Copper • Duofoil® • 40% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H121A02 | C-328 | C-100 | 11.0 | 5.0 | 0.8 mm | 0.138 | 3.50 | Duofoil® + 40% TC Braid 40.0 Ω/km*** 4.1 mm | 0.197 | 5.00 | 75 | 84% | 16.2 | 53.0 | 5 | 0.7 | 2.3 | | | | |
| | | | | | | | | | | | | | | | | 75.0 Ω/km* | | | 50 | 1.8 | 5.9 | |
| | | | | | | | | | | | | | | | | 35.0 Ω/km** | | | 100 | 2.5 | 8.1 | |
| | | | | | | | | | | | | | | | | | | | 230 | 3.7 | 12.1 | |
| | | | | | | | | | | | | | | | | | | | 400 | 4.8 | 15.9 | |
| | | | | | | | | | | | | | | | | | | | 800 | 6.9 | 22.7 | |
| | | | | | | | | | | | | | | | | | | | 862 | 7.2 | 23.6 | |
| | | | | | | | | | | | | | | | | | | | 1000 | 7.8 | 25.6 | |
| | | | | | | | | | | | | | | | | | | | 1350 | 9.1 | 30.0 | |
| | | | | | | | | | | | | | | | | | | | 1750 | 10.5 | 34.5 | |
| | | | | | | | | | | | | | | | | | | | 2150 | 11.8 | 38.6 | |
| | | | | | | | | | | | | | | | | | | | 2400 | 12.5 | 41.0 | |
| ShotGun | | | Return loss at | | | | 5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 33.0 mΩ/m Screening Class: C Pulling Tension: 40 N | | | | | | | | | | | | | | |
| H123A • Solid 0.65 mm Bare Copper • Duofoil® • 88% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • FRNC / LSNH Jacket (White or Black) | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H123A02 | IEC 332-1 | 1640 | 500 | 30.9 | 14.0 | 0.65 mm | 0.114 | 2.90 | Duofoil® + 88% TC Braid 17.0 Ω/km*** 3.4 mm | 0.169 | 4.30 | 75 | 84% | 16.5 | 54.0 | 5 | 0.8 | 2.7 | | | |
| | | | | | | | | | | | | | | | | 72.0 Ω/km* | | | 50 | 2.1 | 7.0 | |
| | | | | | | | | | | | | | | | | 55.0 Ω/km** | | | 100 | 3.0 | 9.7 | |
| | | | | | | | | | | | | | | | | | | | 230 | 4.4 | 14.5 | |
| | | | | | | | | | | | | | | | | | | | 400 | 5.8 | 19.1 | |
| | | | | | | | | | | | | | | | | | | | 800 | 8.3 | 27.3 | |
| | | | | | | | | | | | | | | | | | | | 862 | 8.6 | 28.3 | |
| | | | | | | | | | | | | | | | | | | | 1000 | 9.3 | 30.6 | |
| | | | | | | | | | | | | | | | | | | | 1350 | 10.9 | 35.9 | |
| | | | | | | | | | | | | | | | | | | | 1750 | 12.6 | 41.2 | |
| | | | | | | | | | | | | | | | | | | | 2150 | 14.0 | 46.0 | |
| | | | | | | | | | | | | | | | | | | | 2400 | 14.9 | 48.9 | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 33 N | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H123A01 | B-328 | B-100 | 6.4 | 2.9 | 0.65 mm | 0.114 | 2.90 | Duofoil® + 88% TC Braid 17.0 Ω/km*** 3.4 mm | 0.169 | 4.30 | 75 | 84% | 16.5 | 54.0 | see above | | | | | | |
| | | | | | | | | | | | | | | | | 72.0 Ω/km* | | | | | | |
| | | | | | | | | | | | | | | | | 55.0 Ω/km** | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 15.0 mΩ/m Screening Class: B Pulling Tension: 33 N | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • PVC Jacket (Black, Blue, Green, Red or White) | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H123A00 | B-328 | B-100 | 4.0 | 1.8 | 0.65 mm | 0.114 | 2.90 | Duofoil® + 44% TC Braid 37.0 Ω/km*** 3.4 mm | 0.163 | 4.15 | 75 | 84% | 16.5 | 54.0 | see above | | | | | | |
| | | | | | | | | | | | | | | | | 92.0 Ω/km* | | | | | | |
| | | | | | | | | | | | | | | | | 55.0 Ω/km** | | | | | | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB | Screening attenuation at 30-1000 MHz: ≥ 75 dB Transfer impedance at 5-30 MHz: ≤ 37.0 mΩ/m Screening Class: C Pulling Tension: 33 N | | | | | | | | | | | | | | |
| U 250 m and 500 m put-up available in White only. | | | | | | | | | | | | | | | | | | | | | | |
| H122A • Solid 0.4 mm Copper-Covered Steel • Duofoil® • 60% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Polyethylene Insulation • White PVC Jacket | | | | | | | | | | | | | | | | | | | | | | |
| 70°C | H122A00 | B-328 | B-100 | 3.1 | 1.4 | 0.4 mm | 0.077 | 1.95 | Duofoil® + 60% TC Braid 40.0 Ω/km*** 2.1 mm | 0.144 | 3.65 | 75 | 80% | 16.8 | 55.0 | 5 | 1.4 | 4.7 | | | | |
| | | | | | | | | | | | | | | | | 490.0 Ω/km* | | | 50 | 3.4 | 11.3 | |
| | | | | | | | | | | | | | | | | 450.0 Ω/km** | | | 100 | 4.6 | 15.3 | |
| | | | | | | | | | | | | | | | | | | | 230 | 6.5 | 21.2 | |
| | | | | | | | | | | | | | | | | | | | 400 | 9.1 | 30.0 | |
| | | | | | | | | | | | | | | | | | | | 800 | 13.2 | 43.3 | |
| | | | | | | | | | | | | | | | | | | | 862 | 13.4 | 43.8 | |
| | | | | | | | | | | | | | | | | | | | 1000 | 14.8 | 48.5 | |
| | | | | | | | | | | | | | | | | | | | 1350 | 17.2 | 56.5 | |
| | | | | | | | | | | | | | | | | | | | 1750 | 19.7 | 64.8 | |
| | | | | | | | | | | | | | | | | | | | 2150 | 22.1 | 72.5 | |
| | | | | | | | | | | | | | | | | | | | 2400 | 23.4 | 76.9 | |
| | | | Return loss at | | | | 5-470 MHz: ≥ 20 dB 470-1000 MHz: ≥ 18 dB 1000-2000 MHz: ≥ 16 dB 2000-3000 MHz: ≥ 15 dB | Screening attenuation at 30-1000 MHz: ≥ 85 dB Transfer impedance at 5-30 MHz: ≤ 25.0 mΩ/m Screening Class: C Pulling Tension: 40 N | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • CCS = Copper-Covered Steel

Duofoil® see technical information page 23.13.

Broadband Coax

Headend Cables



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|----------------------------------|------------------------|------|---------------------|----------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | pF/ft. | pF/m | MHz | dB/ 100 ft. |

20 AWG • Solid 0.8 mm Silver-Plated Copper-Covered Steel • Duobond Plus® • 95 % Aluminum Braid

Gas-Injected Foam Polyethylene Insulation • PVC Jacket (available in Black, Grey, White, Red, Blue, Yellow, Brown, Orange, Green, Purple, Beige, Pink or Aqua)

| | | | | | | | | | | | | | | | | | | | |
|------|-------------|---|------|-----|------|------|---|-------|------|---|-------|------|----|-----|------|------|------|-----|------|
| 80°C | 9167 | NEC: CATVR CMR CEC: CMG FT4 | 1000 | 305 | 27.1 | 12.3 | 0.81 mm 20 AWG Solid SPCCS 99.4 Ω/km* 84.6 Ω/km** | 0.144 | 3.66 | Duobond Plus® + 95% AL Braid 14.8 Ω/km*** 4.3 mm | 0.242 | 6.15 | 75 | 83% | 16.2 | 53.1 | 5 | 0.8 | 2.5 |
| | | | | | | | | | | | | | | | | | 50 | 1.8 | 6.0 |
| | | | | | | | | | | | | | | | | | 240 | 3.6 | 11.7 |
| | | | | | | | | | | | | | | | | | 450 | 5.0 | 16.3 |
| | | | | | | | | | | | | | | | | | 862 | 7.0 | 22.9 |
| | | | | | | | | | | | | | | | | | 1000 | 7.7 | 25.2 |



Shorting Fold

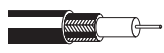
Return loss at 5-470 MHz: ≥ 20 dB
470-862 MHz: ≥ 18 dB
862-2150 MHz: ≥ 16 dB

Screening attenuation at 30-1000 MHz: ≥ 85 dB
Sweep tested. 5 MHz to 1 GHz.

23 AWG • Solid 0.6 mm Copper-Covered Steel • 95 % Bare Copper Braid

Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------|----------------|--|-------|-------|-------|------|-------------|-------|------|---|-------|------|----|-----|------|------|------|------|------|
| 70°C | MRG5900 | | 328 | 100 | 10.1 | 4.6 | 0.58 mm | 0.146 | 3.70 | 95% BC Braid 15.0 Ω/km*** 4.3 mm | 0.242 | 6.15 | 75 | 66% | 20.4 | 67.0 | 5 | 0.9 | 2.9 |
| | | | B-328 | B-100 | 10.1 | 4.6 | Solid CCS | | | | | | | | | | 50 | 2.4 | 8.0 |
| | | | B-656 | B-200 | 20.3 | 9.2 | 94.0 Ω/km* | | | | | | | | | | 100 | 3.5 | 11.6 |
| | | | 1640 | 500 | 50.7 | 23.0 | 79.0 Ω/km** | | | | | | | | | | 230 | 5.2 | 17.2 |
| | | | 3280 | 1000 | 101.4 | 46.0 | | | | | | | | | | | 400 | 7.6 | 25.0 |
| | | | | | | | | | | | | | | | | | 800 | 11.5 | 37.8 |
| | | | | | | | | | | | | | | | | | 862 | 12.0 | 39.2 |
| | | | | | | | | | | | | | | | | | 1000 | 13.1 | 42.9 |
| | | | | | | | | | | | | | | | | | 1350 | 15.2 | 50.0 |
| | | | | | | | | | | | | | | | | | 1750 | 17.4 | 57.0 |
| | | | | | | | | | | | | | | | | | 2150 | 19.2 | 63.0 |



Return loss at 5-470 MHz: ≥ 20 dB
470-1000 MHz: ≥ 18 dB
1000-2000 MHz: ≥ 16 dB
2000-3000 MHz: ≥ 15 dB

Screening attenuation at 30-1000 MHz: ≥ 65 dB

23 AWG • Solid 0.6 mm Bare Copper • 92 % Double Tinned Copper Braid

Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|------|----------------|--|-------|-------|------|------|---------------------------------------|-------|------|--|-------|------|----|-----|------|------|------|------|------|
| 70°C | H106T00 | | B-328 | B-100 | 12.6 | 5.7 | 0.58 mm | 0.146 | 3.70 | 92% TC Braid + 92% TC Braid 18.5 Ω/km*** 4.9 mm | 0.236 | 6.00 | 75 | 66% | 20.4 | 67.0 | 5 | 0.7 | 2.4 |
| | | | 1640 | 500 | 62.8 | 28.5 | Solid BC 97.5 Ω/km* 79.0 Ω/km** | | | | | | | | | | 50 | 2.4 | 8.0 |
| | | | | | | | | | | | | | | | | | 100 | 3.5 | 11.6 |
| | | | | | | | | | | | | | | | | | 230 | 5.6 | 18.3 |
| | | | | | | | | | | | | | | | | | 400 | 7.6 | 25.0 |
| | | | | | | | | | | | | | | | | | 800 | 11.5 | 37.8 |
| | | | | | | | | | | | | | | | | | 862 | 12.0 | 39.2 |
| | | | | | | | | | | | | | | | | | 1000 | 13.1 | 42.9 |



Return loss at 5-470 MHz: ≥ 20 dB
470-1000 MHz: ≥ 18 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB

Polyethylene Insulation • Grey FRNC Jacket

| | | | | | | | | | | | | | | | | | | | | |
|------|----------------|-----------|------|-----|------|------|---------------------------------------|-------|------|--|-------|------|----|-----|------|------|--|--|-----------|--|
| 70°C | H106T01 | IEC 332-1 | 1640 | 500 | 63.9 | 29.0 | 0.58 mm | 0.146 | 3.70 | 92% TC Braid + 92% TC Braid 18.5 Ω/km*** 4.9 mm | 0.236 | 6.00 | 75 | 66% | 20.4 | 67.0 | | | see above | |
| | | | | | | | Solid BC 97.5 Ω/km* 79.0 Ω/km** | | | | | | | | | | | | | |



Return loss at 5-470 MHz: ≥ 20 dB
470-1000 MHz: ≥ 18 dB

Screening attenuation at 30-1000 MHz: ≥ 75 dB

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper • SPCCS = Silver-Plated Copper-Covered Steel • AL = Aluminum • CCS = Copper-Covered Steel

Duobond Plus® see technical information page 23.13.

Wireless Coax

Low Loss 50 Ohm Transmission



| De- scription | Part No. | UL NEC/ C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | |
|---|--------------|----------------------------------|---------------------|-----|-------------------------|-------------|--|---------------------------------|---------|-----------------------------------|------------|------|---------------------|--------------------------|------------------------|-------|---|----------------|--------------|--|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | |
| RG174 • 25 AWG • Solid 0.46 mm Bare Copper • Beldfoil® • 90% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7805 | | † 100 | 31 | 1.8 | 0.8 | 0.455 mm | 0.061 | 1.55 | Beldfoil® | 0.110 | 2.79 | 50 | 66% | 31.2 | 102.4 | 30 | 3.8 | 12.4 | |
| RF 100A | | | 500 | 152 | 5.5 | 2.5 | 25 AWG | | | + 90% TC | | | | | | | 50 | 4.9 | 16.1 | |
| | | | 1000 | 305 | 9.9 | 4.5 | Solid BC | | | Braid | | | | | | | 150 | 8.6 | 28.2 | |
| | | | | | | | 40.4 Ω/km* | | | 29.9 Ω/km*** | | | | | | | 220 | 10.4 | 34.2 | |
| | | | | | | 10.5 Ω/km** | | | 2.15 mm | | | | | | | 450 | 15.2 | 49.9 | | |
| | | | | | | | | | | | | | | | | 900 | 22.0 | 72.3 | | |
| | | | | | | | | | | | | | | | | 1500 | 28.8 | 94.3 | | |
| | | | | | | | | | | | | | | | | 1800 | 31.7 | 104.0 | | |
| | | | | | | | | | | | | | | | | 2000 | 33.4 | 109.7 | | |
| | | | | | | | | | | | | | | | | 2500 | 37.9 | 124.2 | | |
| | | | | | | | | | | | | | | | | 3000 | 42.0 | 137.8 | | |
| | | | | | | | | | | | | | | | | 4500 | 52.3 | 171.5 | | |
| | | | | | | | | | | | | | | | | 5800 | 60.9 | 199.8 | | |
| | | | | | | | | | | | | | | | | 6000 | 62.0 | 203.3 | | |
| | | | | | | | | | | | | | | | | | 100% Sweep tested. 6 GHz max. VSWR 1.25:1 | | | |
| | | | | | | | | | | | | | | | | | Mates with standard RG-174 connectors. Suitable for aerial applications when supported by a messenger wire. | | | |
| RG174 • 24 AWG • Solid 0.5 mm Bare Copper • Beldfoil® • 93% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Foam HDPE Insulation • Grey PVC Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7805R | NEC: | † 100 | 31 | 1.8 | 0.8 | 0.5 mm | 0.060 | 1.52 | Beldfoil® | 0.110 | 2.79 | 50 | 73.5% | 26.2 | 86.0 | 30 | 3.5 | 11.5 | |
| RF 100LL | | CMR | 500 | 152 | 5.5 | 2.5 | 24 AWG | | | + 93% TC | | | | | | | 50 | 4.6 | 15.0 | |
| | | CEC: | 1000 | 305 | 9.9 | 4.5 | Solid BC | | | Braid | | | | | | | 150 | 8.0 | 26.1 | |
| | | CMG FT4 | | | | | 124.7 Ω/km* | | | 30.5 Ω/km*** | | | | | | | 220 | 9.6 | 31.6 | |
| | | | | | | 94.2 Ω/km** | | | 2.12 mm | | | | | | | 450 | 14.1 | 46.1 | | |
| | | | | | | | | | | | | | | | | 900 | 20.2 | 66.4 | | |
| | | | | | | | | | | | | | | | | 1500 | 26.6 | 87.3 | | |
| | | | | | | | | | | | | | | | | 1800 | 29.5 | 96.7 | | |
| | | | | | | | | | | | | | | | | 2000 | 31.2 | 102.3 | | |
| | | | | | | | | | | | | | | | | 2500 | 35.5 | 116.3 | | |
| | | | | | | | | | | | | | | | | 3000 | 39.4 | 129.2 | | |
| | | | | | | | | | | | | | | | | 4500 | 50.1 | 164.2 | | |
| | | | | | | | | | | | | | | | | 5800 | 59.0 | 193.6 | | |
| | | | | | | | | | | | | | | | | 6000 | 60.6 | 198.7 | | |
| | | | | | | | | | | | | | | | | | 100% Sweep tested. 6 GHz max. VSWR 1.25:1 | | | |
| | | | | | | | | | | | | | | | | | Mates with standard RG-174 connectors. | | | |
| RG-58 Type • 19 AWG • Solid 0.9 mm Bare Copper • Duofoil® • 90% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7806A | | 500 | 152 | 14.6 | 6.6 | 0.9 mm | 0.110 | 2.79 | Duofoil® | 0.195 | 4.95 | 50 | 77% | 24.3 | 79.7 | 30 | 2.0 | 6.6 | |
| RF 195 | | | 1000 | 305 | 22.9 | 10.4 | 19 AWG | | | + 90% TC | | | | | | | 50 | 2.5 | 8.2 | |
| | | | | | | | Solid BC | | | Braid | | | | | | | 150 | 4.1 | 13.3 | |
| | | | | | | | 38.7 Ω/km* | | | 13.8 Ω/km*** | | | | | | | 220 | 4.9 | 16.1 | |
| | | | | | | 24.9 Ω/km** | | | 3.39 mm | | | | | | | 450 | 7.1 | 23.4 | | |
| | | | | | | | | | | | | | | | | 900 | 10.3 | 33.8 | | |
| | | | | | | | | | | | | | | | | 1500 | 13.7 | 44.8 | | |
| | | | | | | | | | | | | | | | | 1800 | 15.2 | 49.7 | | |
| | | | | | | | | | | | | | | | | 2000 | 16.1 | 52.8 | | |
| | | | | | | | | | | | | | | | | 2500 | 18.3 | 60.1 | | |
| | | | | | | | | | | | | | | | | 3000 | 20.5 | 67.3 | | |
| | | | | | | | | | | | | | | | | 4500 | 26.5 | 86.8 | | |
| | | | | | | | | | | | | | | | | 5800 | 31.2 | 102.4 | | |
| | | | | | | | | | | | | | | | | 6000 | 32.0 | 105.0 | | |
| | | | | | | | | | | | | | | | | | 100% Sweep tested. 6 GHz max. VSWR 1.25:1 | | | |
| | | | | | | | | | | | | | | | | | Mates with standard RG-58 connectors. Suitable for outdoor and direct burial applications. | | | |
| Available in PVC (7806R) | | | | | | | | | | | | | | | | | | | | |
| RG-58 Type • 17 AWG • Solid 1.15 mm Bare Copper • Duofoil® • 95% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7807A | | 500 | 152 | 15.0 | 6.8 | 1.15 mm | 0.116 | 2.95 | Duofoil® | 0.195 | 4.95 | 50 | 85% | 23.5 | 77.1 | 30 | 1.6 | 5.4 | |
| RF 200 | | | 1000 | 305 | 24.0 | 10.9 | 17 AWG | | | + 95% TC | | | | | | | 50 | 2.1 | 7.0 | |
| | | | | | | | Solid BC | | | Braid | | | | | | | 150 | 3.7 | 12.1 | |
| | | | | | | | 24.7 Ω/km* | | | 13.8 Ω/km*** | | | | | | | 220 | 4.5 | 14.6 | |
| | | | | | | 10.9 Ω/km** | | | 3.55 mm | | | | | | | 450 | 6.5 | 21.2 | | |
| | | | | | | | | | | | | | | | | 900 | 9.2 | 30.1 | | |
| | | | | | | | | | | | | | | | | 1500 | 12.0 | 39.2 | | |
| | | | | | | | | | | | | | | | | 1800 | 13.2 | 43.2 | | |
| | | | | | | | | | | | | | | | | 2000 | 14.0 | 45.8 | | |
| | | | | | | | | | | | | | | | | 2500 | 15.7 | 51.6 | | |
| | | | | | | | | | | | | | | | | 3000 | 17.5 | 57.3 | | |
| | | | | | | | | | | | | | | | | 4500 | 22.0 | 72.3 | | |
| | | | | | | | | | | | | | | | | 5800 | 25.2 | 82.7 | | |
| | | | | | | | | | | | | | | | | 6000 | 25.9 | 85.1 | | |
| | | | | | | | | | | | | | | | | | 100% Sweep tested. 6 GHz max. VSWR 1.25:1 | | | |
| | | | | | | | | | | | | | | | | | Mates with standard land mobile radio type connectors. Suitable for outdoor and direct burial applications. | | | |
| Available in PVC (7807R) | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper
 † May contain more than one piece. Min. length of any one piece is 7.6 m (25 ft.).
 Duofoil® see technical information page 23.13.

Wireless Coax

Low Loss 50 Ohm Transmission



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | | |
|---|--------------|---------------------------------|---------------------|------|-------------------------|--------------------|--|---------------------------------|---------|-----------------------------------|------------|------|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m | |
| RG-8X Type • 15 AWG • Solid 1.45 mm Bare Copper • Duobond® II • 95% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7808A | | 500 | 152 | 18.0 | 8.2 | 1.45 mm | 0.150 | 3.81 | Duobond® II + 95% TC Braid | 0.240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30 | 1.3 | 4.1 | |
| RF 240 | | 1000 | 305 | 39.0 | 17.7 | 15 AWG Solid BC | 19.7 Ω/km* | 9.2 Ω/km*** | 4.41 mm | | | | | | | | 50 | 1.6 | 5.3 | |
| | | | | | | | | | | | | | | | | | | 150 | 2.8 | 9.3 |
| | | | | | | | | | | | | | | | | | | 220 | 3.4 | 11.1 |
| | | | | | | | | | | | | | | | | | | 450 | 4.9 | 16.1 |
| | | | | | | | | | | | | | | | | | | 900 | 7.0 | 22.9 |
| | | | | | | | | | | | | | | | | | | 1500 | 9.1 | 30.0 |
| | | | | | | | | | | | | | | | | | | 1800 | 10.1 | 33.2 |
| | | | | | | | | | | | | | | | | | | 2000 | 10.7 | 35.0 |
| | | | | | | | | | | | | | | | | | | 2500 | 12.0 | 39.5 |
| | | | | | | | | | | | | | | | | | | 3000 | 13.4 | 43.9 |
| | | | | | | | | | | | | | | | | | | 4500 | 16.7 | 54.7 |
| | | | | | | | | | | | | | | | | | | 5800 | 19.5 | 64.0 |
| | | | | | | | | | | | | | | | | | | 6000 | 19.8 | 65.0 |
| Available: 7808R - PVC 7808WB - Flooded Water-resistant Polyethylene | | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 6 GHz max. VSWR 1.25:1 Mates with standard RG-8X connectors. Suitable for outdoor and direct burial applications. | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|--------------|------|-----|------|------|--------------------|------------|-------------|---------|----------------------------------|-------|------|----|-----|------|------|----|------|------|------|
| Intermediate Type • 13 AWG • Solid 1.83 mm Bare Copper • Duobond® II • 95% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7809A | | 500 | 152 | 30.6 | 13.9 | 1.83 mm | 0.190 | 4.83 | Duobond® II + 95% TC Braid | 0.300 | 7.62 | 50 | 86% | 23.0 | 75.5 | 30 | 1.0 | 3.4 | |
| RF 300 | | 1000 | 305 | 58.0 | 26.3 | 13 AWG Solid BC | 14.7 Ω/km* | 7.8 Ω/km*** | 5.55 mm | | | | | | | | 50 | 1.3 | 4.2 | |
| | | | | | | | | | | | | | | | | | | 150 | 2.2 | 7.3 |
| | | | | | | | | | | | | | | | | | | 220 | 2.7 | 8.9 |
| | | | | | | | | | | | | | | | | | | 450 | 3.9 | 12.9 |
| | | | | | | | | | | | | | | | | | | 900 | 5.6 | 18.3 |
| | | | | | | | | | | | | | | | | | | 1500 | 7.3 | 24.0 |
| | | | | | | | | | | | | | | | | | | 1800 | 8.1 | 26.5 |
| | | | | | | | | | | | | | | | | | | 2000 | 8.6 | 28.2 |
| | | | | | | | | | | | | | | | | | | 2500 | 9.7 | 31.9 |
| | | | | | | | | | | | | | | | | | | 3000 | 10.8 | 35.4 |
| | | | | | | | | | | | | | | | | | | 4500 | 13.5 | 44.4 |
| | | | | | | | | | | | | | | | | | | 5800 | 15.8 | 51.8 |
| | | | | | | | | | | | | | | | | | | 6000 | 16.0 | 52.6 |
| Available: 7809R - PVC 7809WB - Flooded Water-resistant Polyethylene | | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 6 GHz max. VSWR 1.25:1 Mates with land mobile radio type connectors. Suitable for outdoor and direct burial applications. | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|--|--------------|------|-----|------|------|----------------------|------------|-------------|---------|----------------------------------|-------|-------|----|-----|------|------|----|------|------|------|
| RG-8 Type • 10 AWG • Solid 2.6 mm Bare Copper-Covered Aluminum • Duobond® II • 95% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | | |
| Gas-Injected Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | |
| 80°C | 7810A | | 500 | 152 | 42.5 | 19.3 | 2.6 mm | 0.285 | 7.24 | Duobond® II + 95% TC Braid | 0.403 | 10.23 | 50 | 86% | 23.0 | 75.5 | 30 | 0.6 | 2.1 | |
| RF 400 | | 1000 | 305 | 86.0 | 39.0 | 10 AWG Solid BCCA | 13.6 Ω/km* | 9.2 Ω/km*** | 8.11 mm | | | | | | | | 50 | 0.9 | 2.8 | |
| | | | | | | | | | | | | | | | | | | 150 | 1.5 | 4.9 |
| | | | | | | | | | | | | | | | | | | 220 | 1.8 | 6.0 |
| | | | | | | | | | | | | | | | | | | 450 | 2.7 | 8.8 |
| | | | | | | | | | | | | | | | | | | 900 | 3.8 | 12.6 |
| | | | | | | | | | | | | | | | | | | 1500 | 5.1 | 16.6 |
| | | | | | | | | | | | | | | | | | | 1800 | 5.6 | 18.5 |
| | | | | | | | | | | | | | | | | | | 2000 | 6.0 | 19.6 |
| | | | | | | | | | | | | | | | | | | 2500 | 6.7 | 22.0 |
| | | | | | | | | | | | | | | | | | | 3000 | 7.4 | 24.4 |
| | | | | | | | | | | | | | | | | | | 4500 | 9.5 | 31.1 |
| | | | | | | | | | | | | | | | | | | 5800 | 11.1 | 36.4 |
| | | | | | | | | | | | | | | | | | | 6000 | 11.4 | 37.3 |
| Available: 7810R - PVC 7810WB - Flooded Water-resistant Polyethylene | | | | | | | | | | | | | | | | | | | | |
| 100% Sweep tested. 6 GHz max. VSWR 1.25:1 Mates with 9913 and land mobile radio type connectors. Suitable for outdoor and direct burial applications. | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance •
BC = Bare Copper • BCCA = Bare Copper-Covered Aluminum • TC = Tinned Copper

Duobond® II see technical information page 23.13.

Wireless Coax

Low Loss 50 Ohm Transmission



| De- scription | Part No. | UL NEC / C(UL)/CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. of Prop. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|---|-------------|-----------------------------------|---------------------|-----|-------------------------|------|--|---------------------------------|------|---|------------|-------|---------------------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |
| RF 500 Type • 7 AWG • Solid 3.6 mm Bare Copper-Covered Aluminum • Duobond® II • 90 % Tinned Copper Braid | | | | | | | | | | | | | | | | | | | |
| Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
| | 80°C | 7976A | 500 | 152 | 56.0 | 25.4 | 3.6 mm | 0.370 | 9.40 | Duobond® II + 90% TC Braid 5.3 Ω/km*** 10.45 mm | 0.500 | 12.70 | 50 | 84% | 25.1 | 82.4 | 30 | 0.5 | 1.8 |
| | | | 1000 | 305 | 108.0 | 49.0 | 7 AWG | 8.0 Ω/km* | 150 | | | | | | | | 0.7 | 2.4 | |
| | | | | | | | Solid BCCA | 2.7 Ω/km** | 220 | | | | | | | | 1.2 | 3.9 | |
| | | | | | | | | | 450 | | | | | | | | 2.2 | 7.2 | |
| | | | | | | | | | 900 | | | | | | | | 3.2 | 10.5 | |
| | | | | | | | | | 1500 | | | | | | | | 4.2 | 13.8 | |
| | | | | | | | | | 1800 | | | | | | | | 4.7 | 15.4 | |
| | | | | | | | | | 2000 | | | | | | | | 5.0 | 16.4 | |
| | | | | | | | | | 2500 | | | | | | | | 5.7 | 18.7 | |
| | | | | | | | | | 3000 | | | | | | | | 6.3 | 20.7 | |
| Available: | | | | | | | | | | | | | | | | 4500 | 8.0 | 26.2 | |
| 7976R - PVC | | | | | | | | | | | | | | | | 5800 | 9.3 | 30.5 | |
| 7976WB - Flooded Water-resistant Polyethylene | | | | | | | | | | | | | | | | 6000 | 9.5 | 31.2 | |
| 100% Sweep tested. | | | | | | | | | | | | | | | | | | | |
| Suitable for outdoor applications and aerial applications when supported by a messenger wire. | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|------|-------|------|-----|-------|------|------------|------------|-------|---|-------|-------|----|-----|------|------|-----|------|-----|
| RF 600 Type • 5.5 AWG • Solid 4.47 mm Bare Copper-Covered Aluminum • Duobond® II • 85% Tinned Copper Braid | | | | | | | | | | | | | | | | | | | |
| Foam HDPE Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
| | 80°C | 7977A | 500 | 152 | 73.6 | 33.4 | 4.47 mm | 0.455 | 11.56 | Duobond® II + 85% TC Braid 5.9 Ω/km*** 12.65 mm | 0.590 | 14.99 | 50 | 85% | 24.6 | 80.7 | 30 | 0.5 | 1.5 |
| | | | 1000 | 305 | 145.1 | 65.8 | 5.5 AWG | 7.6 Ω/km* | 50 | | | | | | | | 0.6 | 2.0 | |
| | | | | | | | Solid BCCA | 1.7 Ω/km** | 150 | | | | | | | | 1.0 | 3.2 | |
| | | | | | | | | | 220 | | | | | | | | 1.2 | 3.9 | |
| | | | | | | | | | 450 | | | | | | | | 1.7 | 5.6 | |
| | | | | | | | | | 900 | | | | | | | | 2.5 | 8.3 | |
| | | | | | | | | | 1500 | | | | | | | | 3.4 | 11.2 | |
| | | | | | | | | | 1800 | | | | | | | | 3.8 | 12.4 | |
| | | | | | | | | | 2000 | | | | | | | | 4.0 | 13.2 | |
| | | | | | | | | | 2500 | | | | | | | | 4.6 | 15.0 | |
| Available: | | | | | | | | | | | | | | | | 3000 | 5.1 | 16.6 | |
| 7977R - PVC | | | | | | | | | | | | | | | | 3500 | 5.5 | 18.2 | |
| 7977WB - Flooded Water-resistant Polyethylene | | | | | | | | | | | | | | | | 4500 | 6.4 | 21.1 | |
| 100% Sweep tested. 6 GHz. | | | | | | | | | | | | | | | | 5800 | 7.6 | 24.8 | |
| Suitable for outdoor applications and aerial applications when supported by a messenger wire. | | | | | | | | | | | | | | | | 6000 | 7.8 | 25.4 | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BCCA = Bare Copper-Covered Aluminum • TC = Tinned Copper

Duobond® II see technical information page 23.13.

Wireless Coax

50 Ohm Transmission



| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

H1000C • Solid 2.6 mm Bare Copper • Copper-Foil • 85% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|---------|------|------------------------|-----|------|------|---|-------|--|---|-------|-------|----|-----|------|------|------|-----|------|
| 70°C | H1000C3 | | 1640 | 500 | 97.0 | 44.0 | 2.62 mm Solid BC 12.3 Ω/km* 3.5 Ω/km** | 0.281 | 7.15 | Cu-foil + 85% BC Braid 8.8 Ω/km*** 8.0 mm | 0.406 | 10.30 | 50 | 83% | 24.4 | 80.0 | 5 | 0.2 | 0.8 |
| | | | | | | | | | | | | | | | | | 50 | 0.9 | 2.8 |
| | | | | | | | | | | | | | | | | | 100 | 1.2 | 4.0 |
| | | | | | | | | | | | | | | | | | 230 | 1.9 | 6.1 |
| | | | | | | | | | | | | | | | | | 400 | 2.6 | 8.4 |
| | | | | | | | | | | | | | | | | | 800 | 3.8 | 12.3 |
| | | | | | | | | | | | | | | | | | 862 | 4.2 | 13.8 |
| | | | | | | | | | | | | | | | | | 1000 | 4.3 | 14.0 |
| | | | | | | | | | | | | | | | | | 1350 | 5.1 | 16.7 |
| | | | | | | | | | | | | | | | | | 1750 | 5.9 | 19.5 |
| 2150 | 6.9 | 22.5 | | | | | | | | | | | | | | | | | |
| 2400 | 7.2 | 23.6 | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | | | | | | | | | | | | | |

Gas-Injected Polyethylene Insulation • Black PVC Jacket

| | | | | | | | | | | | | | | | | | | | |
|----------------|---------|-------|------------------------|-------|-------|------------|-------|------|---|-------|-------|----|-----|------|------|-----------|--|--|--|
| 70°C | H1000C0 | C-328 | C-100 | 19.6 | 8.9 | 2.62 mm | 0.281 | 7.15 | Cu-foil + 50% BC Braid 8.8 Ω/km*** 7.8 mm | 0.406 | 10.30 | 50 | 83% | 24.4 | 80.0 | see above | | | |
| | | 1640 | 500 | 98.1 | 44.5 | Solid BC | | | | | | | | | | | | | |
| | | 6560 | 2000 | 392.4 | 178.0 | 12.3 Ω/km* | | | | | | | | | | | | | |
| | | | | | | 3.5 Ω/km** | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | | | | | | | | | | | | | |

Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket

| | | | | | | | | | | | | | | | | | | | |
|----------------|---------|-------|------------------------|-------|------|------------|-------|------|---|-------|-------|----|-----|------|------|-----------|--|--|--|
| 70°C | H1000C1 | C-328 | C-100 | 15.0 | 6.8 | 2.62 mm | 0.281 | 7.15 | Cu-foil + 50% BC Braid 8.8 Ω/km*** 7.8 mm | 0.406 | 10.30 | 50 | 83% | 24.4 | 80.0 | see above | | | |
| | | 1640 | 500 | 75.0 | 34.0 | Solid BC | | | | | | | | | | | | | |
| | | 3280 | 1000 | 149.9 | 68.0 | 12.3 Ω/km* | | | | | | | | | | | | | |
| | | | | | | 3.5 Ω/km** | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | | | | | | | | | | | | | |

H1001C • Stranded (19x0.54) 2.7 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | |
|--|---------|------|------------------------|-----|-------|------|--|-------|--|---|-------|-------|----|-----|------|------|------|-----|------|
| 70°C | H1001C1 | | 1640 | 500 | 117.9 | 53.5 | 2.7 mm (19x0.54) BC 16.5 Ω/km* 4.5 Ω/km** | 0.283 | 7.20 | Cu-foil + 50% BC Braid 12.0 Ω/km*** 7.15 mm | 0.406 | 10.30 | 50 | 83% | 24.4 | 80.0 | 5 | 0.3 | 1.0 |
| | | | | | | | | | | | | | | | | | 50 | 1.0 | 3.3 |
| | | | | | | | | | | | | | | | | | 100 | 1.4 | 4.7 |
| | | | | | | | | | | | | | | | | | 230 | 2.2 | 7.2 |
| | | | | | | | | | | | | | | | | | 400 | 3.0 | 9.8 |
| | | | | | | | | | | | | | | | | | 800 | 4.4 | 14.4 |
| | | | | | | | | | | | | | | | | | 862 | 4.5 | 14.9 |
| | | | | | | | | | | | | | | | | | 1000 | 5.0 | 16.3 |
| | | | | | | | | | | | | | | | | | 1350 | 5.9 | 19.3 |
| | | | | | | | | | | | | | | | | | 1750 | 6.9 | 22.5 |
| 2150 | 7.7 | 25.4 | | | | | | | | | | | | | | | | | |
| 2400 | 8.3 | 27.1 | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | | | Screening attenuation at 30-1000 MHz: ≥ 100 dB | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | | | | | | | | | | | | | |

H500C • Solid 2.5 mm Bare Copper • Copper-Foil • 50% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---------|------|------------------------|-------|------|------|--|-------|---|---|-------|------|----|-----|------|------|------|------|-------|-------|--|--|--|--|
| 70°C | H500C00 | | C-328 | C-100 | 23.6 | 10.7 | 2.5 mm Solid BC 15.3 Ω/km* 3.8 Ω/km** | 0.276 | 7.00 | Cu-foil + 50% BC Braid 11.5 Ω/km*** 7.45 mm | 0.386 | 9.80 | 50 | 81% | 25.0 | 82.0 | 5 | 0.3 | 0.9 | | | | | |
| | | | | | | | | | | | | | | | | | 820 | 250 | 59.0 | 26.8 | | | | |
| | | | | | | | | | | | | | | | | | 1640 | 500 | 117.9 | 53.5 | | | | |
| | | | | | | | | | | | | | | | | | 6560 | 2000 | 471.8 | 214.0 | | | | |
| | | | | | | | | | | | | | | | | | 50 | 0.9 | 2.9 | | | | | |
| | | | | | | | | | | | | | | | | | 100 | 1.3 | 4.1 | | | | | |
| | | | | | | | | | | | | | | | | | 230 | 2.0 | 6.5 | | | | | |
| | | | | | | | | | | | | | | | | | 400 | 2.7 | 8.7 | | | | | |
| | | | | | | | | | | | | | | | | | 800 | 3.9 | 12.9 | | | | | |
| | | | | | | | | | | | | | | | | | 862 | 4.1 | 13.4 | | | | | |
| 1000 | 4.5 | 14.6 | | | | | | | | | | | | | | | | | | | | | | |
| 1350 | 5.3 | 17.4 | | | | | | | | | | | | | | | | | | | | | | |
| 1750 | 6.2 | 20.3 | | | | | | | | | | | | | | | | | | | | | | |
| 2150 | 7.0 | 23.0 | | | | | | | | | | | | | | | | | | | | | | |
| 2400 | 7.5 | 24.6 | | | | | | | | | | | | | | | | | | | | | | |
| Return loss at | | | 5-470 MHz: ≥ 23 dB | | | | | | Screening attenuation at 30-1000 MHz: ≥ 95 dB | | | | | | | | | | | | | | | |
| | | | 470-1000 MHz: ≥ 20 dB | | | | | | | | | | | | | | | | | | | | | |
| | | | 1000-2000 MHz: ≥ 18 dB | | | | | | | | | | | | | | | | | | | | | |
| | | | 2000-3000 MHz: ≥ 16 dB | | | | | | | | | | | | | | | | | | | | | |

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper

Wireless Coax

50 Ohm Transmission



| De-scription | Part No. | UL NEC / C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|--------------|----------|----------------------------|------------------|---|----------------------|----|---|------------------------------|----|-----------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|----------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/100 ft. | dB/100 m |

MRG213 • Stranded (7x0.75) 2.25 mm Bare Copper • 92% Bare Copper Braid

| Polyethylene Insulation • Black PVC Jacket | | | | | | | | | | | | | | | | | | |
|--|----------------|------|------|-------|-------|-------------|-------|------|--------------|-------|-------|------|-----|------|-------|-------------|------|------|
| 70°C | MRG2130 | 328 | 100 | 29.8 | 13.5 | 2.25 mm | 0.285 | 7.25 | 92% BC Braid | 0.406 | 10.30 | 50 | 66% | 30.5 | 100.0 | 5 | 0.5 | 1.5 |
| | | 820 | 250 | 74.4 | 33.8 | (7x0.75) BC | | | | | | | | | | 5.5 Ω/km*** | 50 | 1.4 |
| | | 1640 | 500 | 148.8 | 67.5 | 11.5 Ω/km* | | | 8.0 mm | 100 | 2.0 | 6.6 | | | | | | |
| | | 3280 | 1000 | 297.6 | 135.0 | 6.0 Ω/km** | | | | 230 | 3.2 | 10.4 | | | | | | |
| | | | | | | | | | | | | | | | | 400 | 4.3 | 14.1 |
| | | | | | | | | | | | | | | | | 800 | 6.4 | 21.1 |
| | | | | | | | | | | | | | | | | 862 | 6.7 | 22.1 |
| | | | | | | | | | | | | | | | | 1000 | 7.3 | 24.1 |
| | | | | | | | | | | | | | | | | 1350 | 8.8 | 29.0 |
| | | | | | | | | | | | | | | | | 1750 | 10.5 | 34.3 |
| | | | | | | | | | | | | | | | | 2150 | 11.9 | 39.1 |
| | | | | | | | | | | | | | | | | 2400 | 12.9 | 42.4 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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H155A • Stranded (19x0.28) 1.4 mm Tinned Copper • Duofoil® • 80% Bare Copper Braid

| Gas-Injected Polyethylene Insulation • Black Polyethylene Jacket | | | | | | | | | | | | | | | | | | |
|--|----------------|-------|-------|------|------|--------------|-------|------|-------------------------|-------|------|------|-----|------|------|--------------|-----|-----|
| 70°C | H155A01 | B-328 | B-100 | 8.2 | 3.7 | 1.41 mm | 0.154 | 3.90 | Duofoil® + 80% TC Braid | 0.213 | 5.40 | 50 | 80% | 25.6 | 84.0 | 5 | 0.8 | 2.5 |
| | | 3280 | 1000 | 81.6 | 37.0 | (19x0.28) TC | | | | | | | | | | 17.0 Ω/km*** | 50 | 2.1 |
| | | | | | | 32.4 Ω/km* | | | 4.5 mm | 100 | 2.8 | 9.1 | | | | | | |
| | | | | | | 15.4 Ω/km** | | | | 230 | 4.1 | 13.4 | | | | | | |
| | | | | | | | | | 400 | 5.5 | 18.0 | | | | | | | |
| | | | | | | | | | 800 | 8.0 | 26.1 | | | | | | | |
| | | | | | | | | | 862 | 8.3 | 27.3 | | | | | | | |
| | | | | | | | | | 1000 | 9.0 | 29.6 | | | | | | | |
| | | | | | | | | | 1350 | 10.6 | 34.9 | | | | | | | |
| | | | | | | | | | 1750 | 12.3 | 40.3 | | | | | | | |
| | | | | | | | | | 2150 | 14.0 | 46.0 | | | | | | | |
| | | | | | | | | | 2400 | 15.0 | 49.1 | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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| Gas-Injected Polyethylene Insulation • Grey PVC Jacket | | | | | | | | | | | | | | | | | | | |
|--|----------------|-------|-------|------|------|--------------|-------|------|-------------------------|-------|------|----|-----|------|------|--------------|--|--|--|
| 70°C | H155A00 | B-328 | B-100 | 8.2 | 3.7 | 1.41 mm | 0.154 | 3.90 | Duofoil® + 80% TC Braid | 0.213 | 5.40 | 50 | 80% | 25.6 | 84.0 | | | | |
| | | 820 | 250 | 20.4 | 9.3 | (19x0.28) TC | | | | | | | | | | 17.0 Ω/km*** | | | |
| | | 1640 | 500 | 40.8 | 18.5 | 32.4 Ω/km* | | | 4.5 mm | | | | | | | | | | |
| | | 3280 | 1000 | 81.6 | 37.0 | 15.4 Ω/km** | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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MRG58 • Stranded (19x0.18) 0.9 mm Tinned Copper • 93% Tinned Copper Braid

| Gas-Injected Polyethylene Insulation • PVC Jacket (Black or White) | | | | | | | | | | | | | | | | | | |
|--|----------------|------|-----|------|------|--------------|-------|------|----------------|-------|------|------|-----|------|-------|--------------|-----|-----|
| 70°C | MRG5800 | 328 | 100 | 7.7 | 3.5 | 0.91 mm | 0.116 | 2.95 | + 93% TC Braid | 0.195 | 4.95 | 50 | 66% | 30.5 | 100.0 | 5 | 1.0 | 3.3 |
| | | 1640 | 500 | 38.6 | 17.5 | (19x0.18) TC | | | | | | | | | | 16.0 Ω/km*** | 50 | 3.2 |
| | | | | | | 52.0 Ω/km* | | | 3.5 mm | 100 | 4.6 | 15.1 | | | | | | |
| | | | | | | 36.0 Ω/km** | | | | 230 | 7.0 | 23.1 | | | | | | |
| | | | | | | | | | 400 | 9.4 | 30.7 | | | | | | | |
| | | | | | | | | | 800 | 13.4 | 44.1 | | | | | | | |
| | | | | | | | | | 862 | 14.0 | 45.8 | | | | | | | |
| | | | | | | | | | 1000 | 15.1 | 49.6 | | | | | | | |
| | | | | | | | | | 1350 | 17.7 | 58.2 | | | | | | | |
| | | | | | | | | | 1750 | 20.4 | 66.8 | | | | | | | |
| | | | | | | | | | 2150 | 22.7 | 74.6 | | | | | | | |
| | | | | | | | | | 2400 | 24.1 | 79.2 | | | | | | | |
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* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • BC = Bare Copper • TC = Tinned Copper

Duofoil® see technical information page 23.13.


Wireless Coax

50 Ohm Microwave Cables




| De- scription | Part No. | UL NEC/ C(UL)CEC Type IEC | Standard Lengths | | Standard Unit Weight | | Conductor (Stranding) Diameter Nom. DCR | Nominal Core OD (Dielectric) | | Shielding Material Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|------------------|-------------|---------------------------------|---------------------|---|-------------------------|----|--|---------------------------------|----|-----------------------------------|------------|----|---------------------|--------------------------|------------------------|------|---------------------|----------------|--------------|
| | | | ft. | m | lbs. | kg | | inch | mm | | inch | mm | | | pF/ft. | pF/m | MHz | dB/ 100 ft. | dB/ 100 m |

M17/151 Type • 29 AWG • Solid 0.28 mm Silver-Plated Copper-Covered Steel • 100 % Copper-Tin Composite Braid

| TFE Teflon® Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|------|-----|-----|-----|--------------|-------|------|--------------|-------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1674A* | | 50 | 15 | 0.2 | 0.1 | 0.279 mm | 0.033 | 0.85 | 100% CT | 0.047 | 1.19 | 50 | 69.5% | 29.5 | 96.8 | 500 | 25.0 | 82.0 |
| Style 10245 | | | 100 | 31 | 0.4 | 0.2 | 29 AWG | | | Composite | | | | | | | 1000 | 36.7 | 120.3 |
| (30 V 105°C) | | | 500 | 152 | 1.9 | 0.9 | Solid SPCCS | | | Braid | | | | | | | 2000 | 53.8 | 176.5 |
|  | | | 1000 | 305 | 3.7 | 1.7 | 698.6 Ω/km* | | | 26.2 Ω/km*** | | | | | | | 3000 | 67.3 | 220.8 |
| | | | | | | | 672.4 Ω/km** | | | 1.19 mm | | | | | | | 5000 | 89.3 | 292.8 |
| | | | | | | | | | | | | | | | | | 7000 | 107.5 | 352.6 |
| | | | | | | | | | | | | | | | | | 10000 | 130.9 | 429.5 |
| | | | | | | | | | | | | | | | | | 15000 | 163.8 | 537.4 |
| | | | | | | | | | | | | | | | | | 18000 | 181.2 | 594.3 |
| | | | | | | | | | | | | | | | | | 20000 | 192.1 | 630.0 |


Available with Silver-Plated Copper CDR (1674B)

RG-405/U Type • 24 AWG • Solid 0.5 mm Silver-Plated Copper-Covered Steel • 100 % Copper-Tin Composite Braid

| TFE Teflon® Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|--------|-----|------|-----|--------------|-------|------|--------------|-------|------|----|-------|------|------|-------|-------|-------|
| UL AWM | 1671A* | | 50 | 15 | 2.0 | 0.9 | 0.5 mm | 0.062 | 1.57 | 100% CT | 0.085 | 2.16 | 50 | 69.5% | 29.5 | 96.8 | 500 | 15.0 | 49.2 |
| Style 10245 | | | 100 | 31 | 2.4 | 1.1 | 24 AWG | | | Composite | | | | | | | 1000 | 22.2 | 72.8 |
| (30 V 105°C) | | | † 500 | 152 | 7.5 | 3.4 | Solid SPCCS | | | Braid | | | | | | | 2000 | 32.8 | 107.6 |
|  | | | † 1000 | 305 | 14.1 | 6.4 | 244.1 Ω/km* | | | 33.5 Ω/km*** | | | | | | | 3000 | 41.2 | 135.2 |
| | | | | | | | 210.6 Ω/km** | | | 2.16 mm | | | | | | | 5000 | 54.9 | 180.0 |
| | | | | | | | | | | | | | | | | | 7000 | 66.4 | 217.9 |
| | | | | | | | | | | | | | | | | | 10000 | 81.2 | 266.4 |
| | | | | | | | | | | | | | | | | | 15000 | 102.0 | 334.7 |
| | | | | | | | | | | | | | | | | | 18000 | 113.0 | 370.8 |
| | | | | | | | | | | | | | | | | | 20000 | 120.0 | 393.7 |


Available:
 1671J - with PVC jacket (Black or Clear)
 1671B - with Silver-Plated Copper, unjacketed
 Suitable for outdoor applications.

RG-402/U Type • 19 AWG • Solid 0.9 mm Silver-Plated Copper-Covered Steel • 100 % Copper-Tin Composite Braid

| TFE Teflon® Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|-------|-----|------|-----|-------------|-------|------|--------------|-------|------|----|-------|------|------|-------|------|-------|
| UL AWM | 1673A* | | 50 | 15 | 3.3 | 1.5 | 0.9 mm | 0.116 | 2.95 | 100% CT | 0.138 | 3.51 | 50 | 69.5% | 29.5 | 96.8 | 500 | 8.0 | 26.2 |
| Style 10245 | | | 100 | 31 | 4.0 | 1.8 | 19 AWG | | | Composite | | | | | | | 1000 | 12.0 | 39.4 |
| (30 V 105°C) | | | † 250 | 76 | 7.9 | 3.6 | Solid SPCCS | | | Braid | | | | | | | 2000 | 18.1 | 59.4 |
|  | | | 500 | 152 | 15.0 | 6.8 | 82.1 Ω/km* | | | 14.8 Ω/km*** | | | | | | | 3000 | 22.9 | 75.1 |
| | | | | | | | 67.3 Ω/km** | | | 4.52 mm | | | | | | | 5000 | 31.0 | 101.7 |
| | | | | | | | | | | | | | | | | | 7000 | 37.8 | 124.0 |
| | | | | | | | | | | | | | | | | | 10000 | 46.6 | 152.9 |
| | | | | | | | | | | | | | | | | | 15000 | 59.1 | 193.9 |
| | | | | | | | | | | | | | | | | | 18000 | 65.8 | 215.9 |
| | | | | | | | | | | | | | | | | | 20000 | 70.0 | 229.7 |

Available:
 1673J - with PVC jacket (Black or Clear)
 1673B - with Silver-Plated Copper, unjacketed

RG-401/U Type • 14 AWG • Solid 1.65 mm Silver-Plated Copper • 100 % Copper-Tin Composite Braid

| TFE Teflon® Insulation • Unjacketed | | | | | | | | | | | | | | | | | | | |
|---|---------------|--|--------|-----|------|------|------------|-------|------|--------------|-------|------|----|-------|------|------|-------|------|-------|
| UL AWM | 1675A* | | † 50 | 15 | 4.0 | 1.8 | 1.65 mm | 0.210 | 5.33 | 100% CT | 0.246 | 6.25 | 50 | 69.5% | 29.6 | 97.1 | 500 | 3.8 | 12.5 |
| Style 10245 | | | †† 100 | 31 | 8.1 | 3.7 | 14 AWG | | | Composite | | | | | | | 1000 | 4.4 | 14.4 |
| (30 V 105°C) | | | †† 250 | 76 | 20.3 | 9.2 | Solid SPC | | | Braid | | | | | | | 2000 | 6.8 | 22.3 |
|  | | | †† 500 | 152 | 40.6 | 18.4 | 34.4 Ω/km* | | | 26.2 Ω/km*** | | | | | | | 3000 | 10.4 | 34.1 |
| | | | | | | | 8.2 Ω/km** | | | 6.25 mm | | | | | | | 5000 | 13.4 | 44.0 |
| | | | | | | | | | | | | | | | | | 7000 | 18.5 | 60.7 |
| | | | | | | | | | | | | | | | | | 10000 | 22.8 | 74.8 |
| | | | | | | | | | | | | | | | | | 15000 | 28.4 | 93.2 |
| | | | | | | | | | | | | | | | | | 18000 | 36.6 | 120.1 |
| | | | | | | | | | | | | | | | | | 20000 | 41.0 | 134.5 |

Available with Clear PVC jacket (1675J)

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • CT = Copper-Tin • SPC = Silver-Plated Copper •
 SPCCS = Silver-Plated Copper-Covered Steel
 # Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

† 76 m put-up: Exact 3 pieces (maximum), 15 m (50 ft.) minimum length.
 152 m put-up: Exact 5 pieces (maximum), 15 m (50 ft.) minimum length.
 305 m put-up: Exact 8 pieces (maximum), 15 m (50 ft.) minimum length.
 †† May contain more than one piece, minimum length of any one piece is 7.6 m (25 ft.).

Teflon® is a DuPont trademark.