Outdoor cables

3_2_0

General Information				Applications						Data Sheet
Cable type	Cable design (all types with loose tube)	Max. number of fibres	Rodent protection	Campus backbone	Copper quads for control voltage ≤50 VDC	WAN applications	Industrial environment	Chemical environment	Aerial ADSS cable for max. 250 m span UV-resistant	Data sheet
BRUclean 150	Non-metallic	24	✘	✘		✘	✘			3_2_1
BRUclean 250	Non-metallic	24	✘	✘		✘	✘			3_2_2
BRUclean 300	Non-metallic	288	✘	✘		✘	✘			3_2_3
BRUclean 600	Non-metallic	288	✘	✘		✘	✘			3_2_5
BRUclean 900	Non-metallic	288	✘	✘		✘	✘			3_2_4
BRUclean 900+Cu	Copper-conductor	264	✘	✘	✘	✘	✘			3_2_7
BRUclean 900 Jumbo	Non-metallic	432	✘	✘		✘	✘			3_2_9
BRUclean 150W	Corrugated steel tape	24	✘	✘		✘	✘	✘		3_4_8
BRUclean 300W	Corrugated steel tape	288	✘	✘		✘	✘	✘		3_4_9
BRUclean 150 +W	Corrugated steel tape	24	✘	✘		✘	✘	✘		3_4_6
BRUclean 300 +W	Corrugated steel tape	240	✘	✘		✘	✘	✘		3_4_7
ADSS Dädalus	Non-metallic	144	✘	✘		✘			✘	3_5_3

General Information	Methods of Deployment					Termination		Data Sheet
Cable type	Empty plastic pipes	Ducts, trays	Aerial installation (up to 250 m span)	Direct burial	Blowing into pipes	FIBER-QUICK® (up to with 48 fibres)	Splice in termination box / joint	Data sheet
BRUclean 150	✘	✘		✘		✘	✘	3_2_1
BRUclean 250	✘	✘		✘	✘	✘	✘	3_2_2
BRUclean 300	✘	✘		✘	✘	✘	✘	3_2_3
BRUclean 600	✘	✘		✘	✘	✘	✘	3_2_5
BRUclean 900	✘	✘		✘	✘	✘	✘	3_2_4
BRUclean 900+Cu	✘	✘		✘	✘		✘	3_2_7
BRUclean 900 Jumbo	✘	✘		✘	✘		✘	3_2_9
BRUclean 150W	✘	✘		✘	✘	✘	✘	3_4_8
BRUclean 300W	✘	✘		✘	✘	✘	✘	3_4_9
BRUclean 150 +W	✘	✘		✘	✘	✘	✘	3_4_6
BRUclean 300 +W	✘	✘		✘	✘	✘	✘	3_4_7
ADSS Dädalus			✘				✘	3_5_3

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BRUclean 150

3_2_1

Fibre optic cable with central loose tube
Non-metallic glass yarn strength members

LLK-D(QG2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns with water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating

Description:
- Central loose tube with up to 24 fibres
- High permissible tensile strength
- Longitudinally and laterally watertight
- Rodent protection
- Compact design, high flexibility, small bending radius
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-20° ... +60°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

The maximum operating temperature of type 1D25 is 70°C.

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
1D25	12	7.5	60	2000	1500
1D30	24	7.8	65	2000	1500

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
1D25	20xD	15xD	300
1D30	20xD	15xD	200

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3_2_2

Fibre optic cable with central strength loose tube
Non-metallic glass yarn strength members

LLK-D(Q2G2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns with water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating

Description:
- Central loose tube with up to 24 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Enhanced rodent protection
- Compact design, high flexibility, small bending radiuses
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:
Operating temperature: -20° ... +60°C
Storage temperature: -40° ... +70°C
Installation temperature: 0° ... +50°C
The maximum operating temperature of type 1D25 is 70°C.

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
1D25	12	9.6	90	3000	2500
1D30	24	9.9	100	3000	2500

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
1D25	20xD	15xD	300
1D30	20xD	15xD	300

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BRUclean 300

3_2_3_1

Fibre optic cable with stranded loose tubes
Non-metallic glass yarn strength members

LLK-SGnD(QG2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 288 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D25	60	11.9	115	5000	3000
SG 6D25	72	12.5	135	5000	3000
SG 8D25	96	14.0	175	5000	3000
SG 10D25	120	15.7	210	5000	3000
SG 12D25	144	17.3	250	5000	3000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	300
SG 6D25	20xD	15xD	300
SG 8D25	20xD	15xD	300
SG 10D25	20xD	15xD	300
SG 12D25	20xD	15xD	300

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BRUclean 600

3_2_5_1

Fibre optic cable with stranded loose tubes
Non-metallic glass yarn strength members

LLK-SGnD(Q1.5G2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 288 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Enhanced rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D25	60	12.8	135	8000	6000
SG 6D25	72	13.3	155	8000	6000
SG 8D25	96	14.7	190	8000	6000
SG 10D25	120	16.3	225	8000	6000
SG 12D25	144	17.9	270	8000	6000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	300
SG 6D25	20xD	15xD	300
SG 8D25	20xD	15xD	300
SG 10D25	20xD	15xD	300
SG 12D25	20xD	15xD	300

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3_2_4_1

Fibre optic cable with stranded loose tubes
Non-metallic glass yarn strength members

LLK-SGnD(Q2G2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 288 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Enhanced rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D25	60	13.6	190	11000	9000
SG 6D25	72	14.1	210	11000	9000
SG 8D25	96	15.4	230	11000	9000
SG 10D25	120	16.9	250	11000	9000
SG 12D25	144	18.4	300	11000	9000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	300
SG 6D25	20xD	15xD	300
SG 8D25	20xD	15xD	300
SG 10D25	20xD	15xD	300
SG 12D25	20xD	15xD	300

BRUclean 900+Cu

3_2_7

Hybrid fibre optic cable with stranded loose tubes and copper quads
Non-metallic glass yarn strength members

LLK-SGnD(Q2G2YD)+nx4/d
A-DQS(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tubes with stranded copper quads
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 11 stranded loose tubes with up to 264 fibres and a stranded copper quad
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Enhanced rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Electrical Data:
- Conductor diameter: 0.8 mm
- Mutual capacitance: 50±10 nF/km
- Unbalanced capacitance: 640 pF/km
- Loop resistance: 73.5 Ω/km
- Insulation resistance: 1000 MΩ/km
- Dielectric strength: 500 V 50 Hz 1 min.

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D30	96	13.8	210	11000	9000
SG 6D30	120	14.7	230	11000	9000
SG 8D30	168	16.7	250	11000	9000
SG 10D30	216	17.8	280	11000	9000
SG 12D30	264	19.8	330	11000	9000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D30	20xD	15xD	300
SG 6D30	20xD	15xD	300
SG 8D30	20xD	15xD	300
SG 10D30	20xD	15xD	300
SG 12D30	20xD	15xD	300

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BRUclean 900 Jumbo

3_2_9

Fibre optic cable with stranded loose tubes
Non metallic glass yarn strength members

LLK-SG18D(Q2G2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarns
- Water-blocking tape
- 1st layer gel-filled loose tubes
- Fibres with primary coating
- 2nd layer gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 18 stranded loose tubes with up to 432 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Enhanced rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 12D25	216	18.4	340	11000	9000
SG 18D30	432	20.6	370	11000	9000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 12D25	20xD	15xD	300
SG 18D30	20xD	15xD	300

BRUclean 150W

3_4_8

Fibre optic cable with central loose tube - armoured
Glass yarn strength members, corrugated steel tape for higher mechanical and chemical resistance

LLK-D(QGW2YD)
A-DQ(ZN)BW2Y

Construction:
- PE outer sheath
- Corrugated steel tape
- Glass yarns with water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating

Description:
- Central loose tube with up to 24 fibres
- High permissible tensile strength
- Longitudinally and laterally watertight
- Excellent rodent protection
- Compact design, high flexibility
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-20° ... +60°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
1D25	12	9.8	85	2000	1500
1D30	24	9.8	95	2000	1500

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
1D25	20xD	15xD	300
1D30	20xD	15xD	300

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BRUclean 300W

3_4_9_1

Fibre optic cable with stranded loose tubes - armoured
Glass yarn strength members, corrugated steel tape for higher mechanical and chemical resistance

LLK-SGnD(QGW2YD)
A-DQ(ZN)BW2Y

Construction:
- PE outer sheath
- Corrugated steel tape
- Glass yarns
- Water-blocking tape
- Gel-filled loose tube
- Water-blocking tape
- Fibres with primary coating
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 288 fibres
- High permissible tensile strength
- Very high crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Excellent rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D25	60	13.8	210	5000	3000
SG 6D25	72	14.8	230	5000	3000
SG 8D25	96	16.9	270	5000	3000
SG 10D25	120	17.8	320	5000	3000
SG 12D25	144	19.9	380	5000	3000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	400
SG 6D25	20xD	15xD	400
SG 8D25	20xD	15xD	400
SG 10D25	20xD	15xD	400
SG 12D25	20xD	15xD	400

BRUclean 150+W

3_4_6

Fibre optic cable with central loose tube - armoured
Glass yarn strength members, corrugated steel tape for chemical resistance

LLK-D(QG2YDW2YD)
A-DQ(ZN)B2YW2Y

Construction:
- PE outer sheath
- Corrugated steel tape
- PE inner sheath
- Glass yarns with water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating

Description:
- Central loose tube with up to 24 fibres
- High permissible tensile strength
- Longitudinally and laterally watertight
- Excellent rodent protection
- Compact design, high flexibility
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-20° ... +60°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
1D25	12	13.2	180	2000	1500
1D30	24	13.2	185	2000	1500

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
1D25	20xD	15xD	300
1D30	20xD	15xD	300

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BRUclean 300+W

3_4_7_1

Fibre optic cable with stranded loose tubes - armoured
Glass yarn strength members, corrugated steel tape for higher mechanical and chemical resistance

LLK-SGnD(QG2YDW2YD)
A-DQ(ZN)B2YW2Y

Construction:
- PE outer sheath
- Corrugated steel tape
- PE inner sheath
- Glass yarns
- Water-blocking tape
- Gel-filled loose tube
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 240 fibres
- High permissible tensile strength
- Very high crush resistance
- Longitudinally and laterally watertight
- Suitable for blowing into pipe systems
- Excellent rodent protection
- Grease-free cable core
- Robust sheath
- Halogen-free cable sheath

Application:
- Outdoors
- Laying directly in the ground

Temperature range:

Operating temperature:	-40° ... +70°C
Storage temperature:	-40° ... +70°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black with orange stripes similar to RAL 9005/2003
- Other colours on request

Standards:
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength short term N	Max. tensile strength long term N
SG 5D25	60	16.9	300	7100	5700
SG 6D25	72	17.9	320	7100	5700
SG 8D25	96	18.9	360	7100	5700
SG 10D25	120	19.9	410	7100	5700
SG 12D25	144	22.9	470	7100	5700

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm
SG 5D25	20xD	15xD	450
SG 6D25	20xD	15xD	450
SG 8D25	20xD	15xD	450
SG 10D25	20xD	15xD	450
SG 12D25	20xD	15xD	450

ADSS

3_5_3_1

All-dielectric self-supporting aerial cable with stranded loose tubes
Aerial cable with non-metallic strength members of treated glass yarns

LLK-SGnD(Q2V2YD)
A-DQ(ZN)B2Y

Construction:
- PE outer sheath
- Glass yarn, treated
- Water-blocking tape
- Gel-filled loose tubes
- Fibres with primary coating
- Water-blocking tape
- GFK central strength member

Description:
- Up to 12 stranded loose tubes with up to 144 fibres
- High permissible tensile strength
- High crush resistance
- Longitudinally and laterally watertight
- Enhanced rodent protection
- High bullet resistance
- Grease-free cable core
- Robust sheath
- Halogen-free, UV resistant cable sheath
- Insensitive against environmental influences such as wind, rain, snow, ice and solar radiation
- Connected with standard dead-ends and suspension fittings

Application:
- Outdoors
- Self-supporting applications
- Within electric fields (E < 12 kV/m)

Temperature range:

Operating temperature:	-40° ... +75°C
Storage temperature:	-40° ... +75°C
Installation temperature:	0° ... +50°C

Jacket colour:
- Black similar to RAL 9005
- Other colours on request

Standards:
- EIA/TIA 455
- IEEE P1222
- Standards, see also data sheet 3_0_9

Remarks:
- Fibre and loose tube colour acc. to data sheet 3_0_3
- Instructions for installation and use see data sheet 3_2_0
- Cable is available with different fibre types 2_1_2x_x and 2_1_3x_x
- Special labelling of outer sheath on request
- Thermal expansion coefficient: 4.8 x 10 - 6 x 1/°C

Technical data

Type	Max. no. of fibres units	Cable ø mm	Weight kg/km	Max. tensile strength Service (MRCL) N	Max. tensile strength without fibre strain N
SG 5D25	60	14.9	190	13800	5000
SG 6D25	72	15.6	220	17000	6500
SG 8D25	96	17.2	265	20000	8000
SG 10D25	120	18.8	320	22500	9000
SG 12D25	144	20.6	380	25000	10000

Type	Min. bending radius with tensile mm	Min. bending radius without tensile mm	Max. crush resistance N/cm	Collapse load N	Safety factor[1]
SG 5D25	20xD	15xD	400	32000	2.3
SG 6D25	20xD	15xD	400	38000	2.2
SG 8D25	20xD	15xD	400	41000	2.1
SG 10D25	20xD	15xD	400	45000	2.0
SG 12D25	20xD	15xD	400	50000	2.0

[1] For crush resistance and tensile strength in operating

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