

Flexible medium voltage cable for conveyor BiTmining[®] (N)TSCGEWUEU-F



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Medium-voltage rubber cable for energy distribution along conveyor systems. For fixed installation in open cast and underground mines.

Construction and technical data:

Standard:	VDE 0250-813 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber GM1b
Torsion:	+/- 100 °/m
Sheathing material:	rubber 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, fixed installation:	15 x Ø
Bending radius, moving application:	6 x Ø
Maximum tensile strength at the conductor:	15 N/mm ²



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

BiTmining® (N)TSCGEWOEU-F 3.6/6 kV

Nominal voltage Uo:	3.6 kV
Nominal voltage U:	6 kV
Maximum permitted operating voltage in three-phase systems:	7.2 kV
Test voltage:	10 kV
Core identification:	numbers

part no.	part name	RI [Ohm/km]	Ibl [A]	Ø [mm]	Fzv [N]	Cu	G [kg]
054764	3x50 + 3x25/3	0.386	202	49	2250	1680	3548

BiTmining® (N)TSCGEWOEU-F 6/10 kV

Nominal voltage Uo:	6 kV
Nominal voltage U:	10 kV
Maximum permitted operating voltage in three-phase systems:	12 kV
Test voltage:	17 kV
Core identification:	numbers

part no.	part name	RI [Ohm/km]	Ibl [A]	Ik [kA]	Lb [mH/km]	CI [µF/km]	Ø [mm]	Fzv [N]	Cu	G [kg]
053387	3x35 + 3x25/3	0.554	162	5	0.32	0.45	47	1575	1248	3018
053388	3x35 + 3x50/3	0.554	162	5	0.34	0.45	50	1575	1488	3492
052532	3x50 + 3x25/3	0.386	202	7.15	0.3	0.51	50	2250	1680	3635
054750	3x95 + 3x50/3	0.206	301	13.6	0.28	0.65	59	4275	3216	5790

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Lb	Specific inductivity
CI	Specific capacity
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000