

Flexible medium voltage cable Faber[®] Mining-R (N)TSCGEWOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Flexible medium voltage reeling cable for high extreme mechanical stress as tension and torsion. Example of this is excavators, dumpers, mobile crushers in open-cast mines. Other applications have to be agreed with Faber otherwise warranty may become void.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 6 = very 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:	EPR
Torsion protection:	synthetic braid
Torsion:	+/- 100 °/m
Sheathing material:	rubber (CR) 5GM3
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - 90 °C
Permitted outer cable temperature, moved, °C:	-25 - 80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	20 x Ø
Maximum tensile strength at the conductor:	20 N/mm ²
Operating speed:	60 m/min.



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.

Nominal voltage U_o:	3.6 kV
Nominal voltage U:	6 kV
Maximum permitted operating voltage in three-phase systems:	7.2 kV
Nominal voltage (DC):	5,4 kV
Test voltage:	11 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	L _b [mH/km]	Ø [mm]	F _{zp} [N]	F _{zd} [N]	Cu [kg/km]	G [kg]
052271	3X95 + 3X50/3	0.206	301	13.6	0.26	56.2	5700		3456	5788
052854	3X50 + 3X25/3	0.554	202			49	2250	3000	1680	3630

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
L _b	Specific inductivity
Ø	outer diameter approx.
F _{zp}	Tensile strength (permanent)
F _{zd}	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000