

# Flexible medium voltage cable SUPREMI<sup>®</sup> (N)TSCGEWOEU [R]



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:

<b>Standard:</b>	DIN VDE 0250-813 (with ref. to)
<b>Conductor material:</b>	tinned copper
<b>Conductor construction:</b>	Class 5 = flexible
<b>Insulation:</b>	rubber 3GI3
<b>Electrical field control:</b>	inner and outer semiconducting rubber layer
<b>Arrangement of protective conductors:</b>	split in the outer interstices
<b>Material inner sheath:</b>	rubber GM1b
<b>Torsion protection:</b>	polyester braid
<b>Sheathing material:</b>	rubber 5GM5
<b>Colour of outer sheath:</b>	red
<b>Flame-retardant:</b>	VDE 0482-332-1-2/IEC 60332-1-2
<b>UV-resistant:</b>	yes
<b>Oil-resistant:</b>	EN 60811-404
<b>Ozone-resistant:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Max. short circuit temperature at conductor, °C:</b>	250 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +90 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-35 - +60 °C
<b>Bending radius, fixed installation:</b>	6 x Ø
<b>Bending radius, moving application:</b>	10 x Ø
<b>Maximum tensile strength at the conductor:</b>	15 N/mm <sup>2</sup>
<b>Operating speed:</b>	120 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.

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<b>Nominal voltage U<sub>0</sub>:</b>	6 kV
<b>Nominal voltage U:</b>	10 kV
<b>Maximum permitted operating voltage in three-phase systems:</b>	12 kV
<b>Test voltage:</b>	17 kV

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	L <sub>b</sub> [mH/km]	Ø [mm]	Cu	G [kg]
052953	3x35 + 3x25/3	0.565	162	0.31	46	1248	3050
052954	3x70 + 3x35/3	0.277	250	0.28	53.8	2352	4660

RI	Conductor resistance
I <sub>bl</sub>	Ampacity in air (30 °C)
L <sub>b</sub>	Specific inductivity
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000