

# Flexible medium voltage cable

## T-F-(N)TSCGEWOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Flexible cable for energy distribution lines in opencast minings, for excavators, dumpers or crushers.

- The outer semiconducting layer may be removed without heating.
- Min. bending radius: acc. to VDE 0298-3
- Max. current rating: acc. to VDE 0298-4

### Construction and technical data:

<b>Standard:</b>	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>Sheathing material:</b>	rubber 5GM5
<b>Colour of outer sheath:</b>	red
<b>Flame-retardant:</b>	IEC 60332-1-2
<b>UV-resistant:</b>	ISO 4892-2
<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>°C:</b>	
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +80 °C
<b>Permitted outer cable temperature, moved, °C:</b>	-25 - +80 °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>



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

part no.	part name	RI [Ohm/km]	I <sub>bl</sub> [A]	Ø [mm]	Cu	G [kg]
053703	03x50+3x50/3	0.393	202	47.4	1920	3722

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