

# Medium voltage mining cable

## FABER<sup>®</sup> MIN F- (N)TSCGEWOEU



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Flexible cable for fixed energy distribution lines in mines and alongside material handling equipment

### 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>Sheathing material:</b>	rubber (CR) 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>For outdoor use:</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 - +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>	15 x Ø



*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.*

**Faber<sup>®</sup> MIN F- (N)TSCGEWOEU 6/10 kV**

<b>Nominal voltage U<sub>o</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]	Ø [mm]	Cu	G [kg]
052823	3X25 + 3X25/3	0.795	43	960	2492
052824	3X35 + 3X25/3	0.565	44.9	1248	2852
052825	3X50 + 3X50/3	0.393	49.2	1920	3725
052826	3X70 + 3X50/3	0.277	52.6	2496	4498
052827	3X95 + 3X50/3	0.21	49.1	3216	5647
052828	3X120 + 3X70/3	0.164	61.6	4128	6531
052829	3X150 + 3X70/3	0.132	67.8	4992	6531

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000