

# Medium voltage mining cable (N)TSCGEWOEU MT MIN F PLUS



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>Central filler:</b>	semiconductive compound on polyester support
<b>Arrangement of protective conductors:</b>	split in the outer interstices
<b>Material inner sheath:</b>	rubber GM1b
<b>Sheathing material:</b>	rubber (CR) 5GM3
<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>	VDE 0473-811-403/IEC 60811-403
<b>For outdoor use:</b>	yes
<b>Max. temperature at conductor, °C:</b>	90 °C
<b>Permitted outer cable temperature, fixed, °C:</b>	-40 - +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.*

(N)TSCGEWOEU MT MIN F PLUS 3.6/6 kV

**Nominal voltage U<sub>o</sub>:** 3.6 kV  
**Nominal voltage U:** 6 kV  
**Maximum permitted operating voltage in three-phase systems:** 7.2 kV  
**Test voltage:** 11 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051829	03X25 + 3X25/3	0.795	41.6	960	2580
051830	03X35 + 3X25/3	0.565	44.6	1248	3080
051833	03X185 + 3X95/3	0.108	70.2	6240	9890
051831	03X50 + 3X25/3	0.393	47.7	1680	3710
051565	03X70 + 3X35/3	0.277	51.6	2352	4670
051832	03X95 + 3X50/3	0.21	57.6	3216	5880
051538	03X150 + 3X70/3	0.132	68.3	4992	8570
051539	03X240 + 3X120/3	0.0817	80.5	8064	12560
051502	03X185	0.108	70.2	5328	9000

(N)TSCGEWOEU MT MIN F PLUS 6/10 kV

**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]	Ø [mm]	Cu	G [kg]
051338	03X35 + 3X25/3	0.565	46.2	1248	3030
053390	03X35 + 03X50/3	0.565	46.2	1488	3200
051753	03X50 + 3X25/3	0.393	48.3	1680	3750
051714	03X70 + 3X35/3	0.277	52.2	2352	4660
051274	03X95 + 3X50/3	0.21	57.6	3216	5880
051580	03X120 + 3X70/3	0.164	62.1	4128	7030
051613	03X185 + 3X95/3	0.108	70.9	6240	9930
053789	03X240 + 3X120/3	0.0817	78.2	8064	12480

(N)TSCGEWOEU MT MIN F PLUS 8,7/15 kV

**Nominal voltage U<sub>o</sub>:** 8.7 kV  
**Nominal voltage U:** 15 kV  
**Maximum permitted operating voltage in three-phase systems:** 18 kV  
**Test voltage:** 24 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
053213	03x35 + 3x25/3	0.565	56.8	1368	4170
053214	03x70 + 3x35/3	0.277	62.9	2472	5560
053215	03x120 + 3x70/3	0.164	69.7	4248	7680
053216	03x35 + 3x25/3 + 5x2.5	0.565	49.6	1368	3350
053220	03x70 + 3x35/3 + 5x2.5	0.277	58.8	2472	5210
053218	03x120 + 3x70/3 + 5X2.5	0.164	68.3	4248	7590

(N)TSCGEWÖEU MT MIN F PLUS 12/20 kV

**Nominal voltage U<sub>0</sub>:** 12 kV  
**Nominal voltage U:** 20 kV  
**Maximum permitted operating voltage in three-phase systems:** 24 kV  
**Test voltage:** 29 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051534	03X35 + 3X25/3	0.565	50.6	1248	3590
051632	03X70 + 3X35/3	0.277	59.3	2352	5510

(N)TSCGEWÖEU MT MIN F PLUS 18/30 kV

**Nominal voltage U<sub>0</sub>:** 18 kV  
**Nominal voltage U:** 30 kV  
**Maximum permitted operating voltage in three-phase systems:** 36 kV  
**Test voltage:** 43 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
052456	03X120 + 3X70/3	0.164	81.6	4128	9400

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