

# 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)TSCGEWUEU 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        | Ø [mm] | Cu   | G [kg] |
|----------|------------------|--------|------|--------|
| 051829   | 03X25 + 3X25/3   | 41.6   | 960  | 2580   |
| 051830   | 03X35 + 3X25/3   | 44.6   | 1248 | 3080   |
| 051833   | 03X185 + 3X95/3  | 70.2   | 6240 | 9890   |
| 051831   | 03X50 + 3X25/3   | 47.7   | 1680 | 3710   |
| 051565   | 03X70 + 3X35/3   | 51.6   | 2352 | 4670   |
| 051832   | 03X95 + 3X50/3   | 57.6   | 3216 | 5880   |
| 051538   | 03X150 + 3X70/3  | 68.3   | 4992 | 8570   |
| 051539   | 03X240 + 3X120/3 | 80.5   | 8064 | 12560  |
| 051502   | 03X185           | 70.2   | 5328 | 9000   |

(N)TSCGEWUEU 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        | Ø [mm] | Cu   | G [kg] |
|----------|------------------|--------|------|--------|
| 051338   | 03X35 + 3X25/3   | 46.2   | 1248 | 3030   |
| 053390   | 03X35 + 03X50/3  | 46.2   | 1488 | 3200   |
| 051753   | 03X50 + 3X25/3   | 48.3   | 1680 | 3750   |
| 051714   | 03X70 + 3X35/3   | 52.2   | 2352 | 4660   |
| 051274   | 03X95 + 3X50/3   | 57.6   | 3216 | 5880   |
| 051580   | 03X120 + 3X70/3  | 62.1   | 4128 | 7030   |
| 051613   | 03X185 + 3X95/3  | 70.9   | 6240 | 9930   |
| 053789   | 03X240 + 3X120/3 | 78.2   | 8064 | 12480  |

(N)TSCGEWUEU 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               | Ø [mm] | Cu   | G [kg] |
|----------|-------------------------|--------|------|--------|
| 053213   | 03x35 + 3x25/3          | 56.8   | 1368 | 4170   |
| 053214   | 03x70 + 3x35/3          | 62.9   | 2472 | 5560   |
| 053215   | 03x120 + 3x70/3         | 69.7   | 4248 | 7680   |
| 053216   | 03x35 + 3x25/3 + 5x2.5  | 49.6   | 1368 | 3350   |
| 053220   | 03x70 + 3x35/3 + 5x2.5  | 58.8   | 2472 | 5210   |
| 053218   | 03x120 + 3x70/3 + 5X2.5 | 68.3   | 4248 | 7590   |

(N)TSCGEWÖEU MT MIN F PLUS 12/20 kV

**Nominal voltage U<sub>o</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      | Ø [mm] | Cu   | G [kg] |
|----------|----------------|--------|------|--------|
| 051534   | 03X35 + 3X25/3 | 50.6   | 1248 | 3590   |
| 051632   | 03X70 + 3X35/3 | 59.3   | 2352 | 5510   |

(N)TSCGEWÖEU MT MIN F PLUS 18/30 kV

**Nominal voltage U<sub>o</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       | Ø [mm] | Cu   | G [kg] |
|----------|-----------------|--------|------|--------|
| 052456   | 03X120 + 3X70/3 | 81.6   | 4128 | 9400   |

Ø outer diameter approx.

Cu Copper weight (GER)

G net weight per 1000