

# Medium voltage reeling cable

## URSUS<sup>®</sup> MT KN PLUS -40 °C



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

**Application:** Flexible medium voltage reeling cable with reduced weight and dimensions, for high and extreme mechanical stress, e.g. torsional stress, deflection and high reeling speed. Other applications have to be agreed with Faber otherwise warranty may become void.

- Min. bending radius: acc. to VDE 0298-3
- Max. current rating: acc. to VDE 0298-4

Remark on REACH: The following substances from the REACH candidate list are used for all products on this datasheet with a proportion of more than 0.1 %: CAS 85535-85-9

### 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 Kevlar <sup>®</sup> element |
| <b>Core wrapping:</b>                                   | semiconductive tape                                    |
| <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 (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>                                    | ISO 4892-2                                             |
| <b>Oil-resistant:</b>                                   | EN 60811-404                                           |
| <b>Ozone-resistant:</b>                                 | VDE 0473-811-403/IEC 60811-403                         |
| <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>    | -50 - +80 °C                                           |
| <b>Permitted outer cable temperature, moved, °C:</b>    | -40 - +80 °C                                           |
| <b>Bending radius, moving application:</b>              | 10 x Ø                                                 |
| <b>Operating speed:</b>                                 | 200 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.

## URSUS<sup>®</sup> MT KN PLUS -40 °C 6/10 kV

|                                                                    |       |
|--------------------------------------------------------------------|-------|
| <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] | Ø [mm] | Fzd [N] | Cu   | G [kg] |
|----------|-----------------------|-------------|--------|---------|------|--------|
| 053457   | 03X50 + 2X25/2 + 1X16 | 0.393       | 53     | 8500    | 1834 | 3930   |

|     |                            |
|-----|----------------------------|
| RI  | Conductor resistance       |
| Ø   | outer diameter approx.     |
| Fzd | Tensile strength (dynamic) |
| Cu  | Copper weight (GER)        |
| G   | net weight per 1000        |