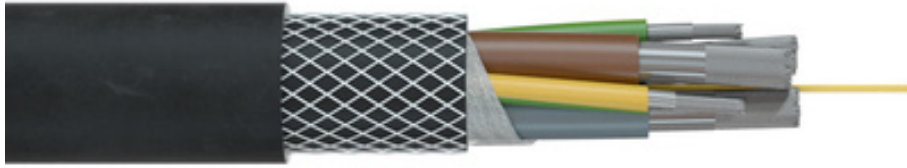


Rubber reeling cable

NSHTOEU /3



Application: As connection and reelable control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable or hawser in dry, damp or wet rooms and in wet industrial conditions. The cable is resistant to acids, lyes, and oils.

Maximum permitted speed $v = 180$ m/min, permanent tensile load 20 N/qmm.

Construction and technical data:

| | |
|--|--------------------------------|
| Standard: | VDE 0250 T. 814 |
| Conductor material: | tinned copper |
| Conductor construction: | Class 5 = flexible |
| Insulation: | rubber (EPR) 3GI3 |
| Arrangement of protective conductors: | split in the outer interstices |
| Material inner sheath: | rubber GM1b |
| Torsion protection: | polyester braid |
| Torsion: | +/- 25 °/m |
| Sheathing material: | rubber (CR) 5GM3 |
| Colour of outer sheath: | black |
| Flame-retardant: | VDE 0482-332-1-2/IEC 60332-1-2 |
| UV-resistant: | yes |
| Oil-resistant: | EN 60811-2-1 |
| Ozone-resistant: | yes |
| For outdoor use: | yes |
| Maximum temperature at conductor, °C: | 90 °C |
| Permitted outer cable temperature, fixed, °C: | -40 - +80 °C |
| Permitted outer cable temperature, moved, °C: | -25 - +80 °C |
| Maximum tensile strength at the conductor: | 20 N/mm ² |
| Operating speed random, m/min.: | 180 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.

Bending radii

| installation | <8 mm | 8-12 mm | 13-20 mm | >20 mm |
|-------------------|-------|---------|----------|--------|
| free movement | 3D | 4D | | 5D |
| reeling operation | | 5D | | 6D |
| festoon | 3D | 4D | | 5D |
| drag chain | | 4D | | 5D |
| multi roller | | | 7.5D | |

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Nominal voltage U_o: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3 kV

Core identification: colours acc. to VDE 0293 (HD308)

| part no. | part name | RI [Ohm/km] | I _{bl} [A] | Ø [mm] | F _{zp} [N] | F _{zd} [N] | Cu [kg/km] | G [kg/km] |
|----------|---------------------|-------------|---------------------|--------|---------------------|---------------------|------------|-----------|
| 050776 | 03X50 + 03X25/3 SW | 0.393 | 168 | 37 | 2250 | 3000 | 1680 | 2530 |
| 050777 | 03X70 + 03X35/3 SW | 0.277 | 207 | 43 | 3150 | 4200 | 2352 | 3440 |
| 050778 | 03X95 + 03X50/3 SW | 0.21 | 250 | 46 | 4275 | 5700 | 3216 | 4320 |
| 050779 | 03X120 + 3X70/3 SW | 0.164 | 292 | 52 | 5400 | 7200 | 4128 | 5400 |
| 050780 | 03X150 + 3X70/3 SW | 0.132 | 335 | 56 | 6750 | 9000 | 4992 | 6480 |
| 050781 | 03X185 + 3X95/3 SW | 0.108 | 382 | 61 | 8325 | 11100 | 6240 | 7890 |
| 050782 | 03X240 + 3X120/3 SW | 0.0817 | 453 | 70 | 10800 | 14400 | 8064 | 10180 |

| | |
|-----------------|------------------------------|
| RI | Conductor resistance |
| I _{bl} | Ampacity in air (30 °C) |
| Ø | outer diameter approx. |
| F _{zp} | Tensile strength (permanent) |
| F _{zd} | Tensile strength (dynamic) |
| Cu | Copper weight (GER) |
| G | net weight |