

Shore connection cable Protolon(SC)[®] (N)TSKWÖEU



Application: Shore power cable for the power supply of ships. For installation indoors, outdoors and in water.

Construction and technical data:

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|---|---|
| Standard: | VDE 0250-813 (with ref. to) / IEC/ISO/IEEE 80005-3 (with ref. to) |
| Conductor material: | bare copper strand |
| Conductor construction: | Class 5 = flexible |
| Insulation: | rubber (EPR) 3GI3 |
| Arrangement of protective conductors: | split in the outer interstices |
| control core: | arrange in the outer interstice |
| Material inner sheath: | EPR |
| Self-supporting element: | aramide |
| Torsion: | +/- 25 °/m |
| Sheathing material: | rubber 5GM5 |
| Colour of outer sheath: | black |
| Flame-retardant: | VDE 0482-332-1-2/IEC 60332-1-2 |
| UV-resistant: | yes |
| Oil-resistant: | EN 60811-404 |
| Water-resistant: | yes |
| Max. temperature at conductor, °C: | 90 °C |
| Max. short circuit temperature at conductor, °C: | 250 °C |
| °C: | |
| Permitted outer cable temperature, fixed, °C: | -40 - +80 °C |
| Permitted outer cable temperature, moved, °C: | -25 - +80 °C |
| Bending radius, fixed installation: | 4 x Ø |
| Bending radius, moving application: | 5 x Ø |
| Maximum tensile strength at the conductor: | 20 N/mm ² |



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.

Protolon(SC) (N)TSKWOEU-J 0.6/1 KV

Nominal voltage U_o: 0.6 kV
Nominal voltage U: 1 kV
Test voltage: 4 kV
Core identification: green-yellow + numbers

| part no. | part name | DI [mm] | RI [Ohm/km] | I _{bl} [A] | I _k [kA] | R _{bb} [mm] | Ø [mm] | F _{zp} [N] | F _{zd} [N] | Cu | G [kg] |
|----------|-----------------------------|---------|-------------|---------------------|---------------------|----------------------|--------|---------------------|---------------------|------|--------|
| 053192 | 3x120+2x70/2 + 1x(4x2.5) BK | 15.1 | 0.161 | 352 | 17.16 | 306 | 61.1 | 9000 | 11100 | 4224 | 9500 |
| 052358 | 3X185+2X95/2 + 1X(4X2.5) BK | 18.6 | 0.106 | 461 | 26.46 | 340 | 67.9 | 11100 | 13875 | 6336 | 9500 |

| | |
|-----------------|------------------------------------|
| DI | diameter conductor |
| RI | Conductor resistance |
| I _{bl} | Ampacity in air (30 °C) |
| I _k | Short-circuit current (1 s) |
| R _{bb} | Bending radius, moving application |
| Ø | outer diameter approx. |
| F _{zp} | Tensile strength (permanent) |
| F _{zd} | Tensile strength (dynamic) |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |