Shore connection cable
Protolon(SC)® (N)TSKWOEU

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

Construction and technical data:

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
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/mm²

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 Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 4 kV

Core identification: green-yellow + numbers

part no.	part name	Dl [mm]	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Rbb [mm]	Ø [mm]	Fzp [N]	Fzd [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

Dl	diameter conductor
Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Rbb	Bending radius, moving application
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000

