Trailing cable
Protolon(ST)® NTSCGEWOEU/3E

DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Power supply cable for use in water, e.g. for connection to dredgers, floating docks, pumps, etc., in applications where high mechanical stresses are to be expected. Also suitable for use in sewage, salt water and brackish water at water depths of up to 500 m.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = fine stranded - DIN EN IEC 60228 (VDE 0295)
Insulation:	rubber 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	tinned copper wire spinning on each core
Material inner sheath:	basic EPR
Torsion:	+/- 25 °/m
Sheathing material:	Gummi 5GM3
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	yes
Ozone-resistant:	yes
Water-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +60 °C
Min. bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	15 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.

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Protolon(ST)® NTSCGEWOEU /3E 6/10 kV

Nominal voltage Uo: 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	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Lb [mH/km]	Cl [µF/km]	Ø [mm]	Cu	G [kg]
051383	03X25 + 3X16/3E (with reference to)	0.795	131	3.58	0.36	0.24	46.9	970	3098
051267	03X35 + 3X16/3E (with reference to)	0.565	162	5.01	0.34	0.27	52.8	1190	3847
051331	03X50 + 3X25/3E (with reference to)	0.393	202	7.15	0.32	0.3	56.4	1824	4460
052368	03X95 + 3X50/3E	0.21	301	13.6	0.29	0.38	67.2	3312	7245
054844	03X150 + 03X70/3E	0.132	428	21.45	0.28	0.46	75.9	5232	9400
051400	03X185 + 3X95/3E	0.108	461	26.46	0.27	0.5	79.4	6429	11721

Protolon(ST)® NTSCGEWOEU /3E 12/20 kV

Nominal voltage Uo: 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	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Lb [mH/km]	Cl [µF/km]	Ø [mm]	Cu	G [kg]
051332	03X25 + 3X16/3E	0.795	139	3.58	0.41	0.17	59.3	970	4321
051477	03X35 + 3X16/3E	0.565	172	5.01	0.39	0.19	60.6	1191	4681
051816	03X50 + 3X25/3E	0.393	215	7.15	0.37	0.21	63.9	1824	5785
051637	03X95 + 3X50/3E	0.21	319	13.6	0.33	0.26	72.1	3216	7760

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Lb	Specific inductivity
Cl	Specific capacity
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000