

Trailing cable Protolon(ST)[®] NTSCGEWOEU



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 = flexible
Insulation:	rubber 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	basic EPR
Torsion:	+/- 100 °/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
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 - +60 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	10 x Ø
Maximum tensile strength at the conductor:	15 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(ST)[®] NTSCGEWUEU 6/10 kV

Nominal voltage U_o:	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	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	L _b [mH/km]	CI [μF/km]	Ø [mm]	Cu	G [kg]
051385	03X25 + 3X25/3	0.795	138	3.58	0.36	0.24	44.7	972	2766
053264	03X50 + 03X25/3	0.393	214	7.15	0.31	0.3	52.9	1680	4396
054735	03X95 + 03X50/3	0.21	321	13.6	0.29	0.38	61.4	3216	6420
052689	03X185 + 3X95/3	0.108	488	26.46	0.27	0.5	75.1	6240	10500

Protolon(ST)[®] NTSCGEWUEU 12/20 kV

Nominal voltage U_o:	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	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	L _b [mH/km]	CI [μF/km]	Ø [mm]	Cu	G [kg]
051406	03X25 + 3X25/3	0.795	139	3.58	0.41	0.17	56	960	3960
051537	03X35 + 3X25/3	0.565	172	5.01	0.39	0.19	58.4	1248	4460
052452	03X50 + 3X25/3	0.393	215	7.15	0.39	0.21	61.4	1680	5582

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
L _b	Specific inductivity
CI	Specific capacity
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000