

Medium voltage cable

(N)TSCGEWOEU MT SUB E PLUS



Application: Flexible medium voltage cable, suitable for immersion in salt and brackish water. Max. water depth is 300 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:	copper wire braid over each phase
Sheathing material:	rubber (CR) 5GM3
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	ISO 4892-2
Oil-resistant:	EN 60811-404
Ozone-resistant:	VDE 0473-811-403/IEC 60811-403
For outdoor use:	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 - +60 °C
Bending radius, moving application:	10 x Ø



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.

(N)TSCGEWÖEU MT SUB E PLUS 6/10 kV

Nominal voltage U_o:	6 kV
Nominal voltage U:	10 kV
Nominal voltage (DC):	9 kV
Test voltage:	17 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051652	03X25 + 3X16/3E BK	0.795	45.7	874	2750
051600	03X95 + 3X50/3E BK	0.21	63.4	3216	6330
051813	03X25 + 3X16/3E RD	0.795	45.7	874	2680
051814	03X35 + 3X16/3E RD	0.565	47.3	1162	3080
053201	03X70 + 03X50/3E RD	0.277	59.4	2496	5240
052260	03X95 + 3X50/3E RD	0.21	63.4	3216	6160
052261	03X120 + 3X70/3E RD	0.164	67.6	4128	7590
051815	03X50 + 3X25/3E RD	0.393	50.4	1680	3720

(N)TSCGEWÖEU MT SUB E PLUS 12/20 kV

Nominal voltage U_o:	12 kV
Nominal voltage U:	20 kV
Nominal voltage (DC):	18 kV
Test voltage:	29 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
051687	03X35 + 3X25/3E RD	0.565	59.1	1248	4560
052802	03X35 + 3X50/3E RT	0.565	61.8	1488	4870
051396	03X25 + 3X16/3E BK	0.795	57.1	874	4280
051570	03X35 + 3X25/3E BK	0.565	59.1	1248	4560
051803	03X50 + 3X25/3E RD	0.393	62.3	1680	5270
051682	03X50 + 3X25/3E BK	0.393	62.3	1680	5270
053034	03X95 + 3X50/3E RT	0.21	75.2	3216	7760

RI	Conductor resistance
Ø	outer diameter approx.
Cu	Copper weight (GER)
G	net weight per 1000