

Medium voltage reeling cable TRATOSFLEX-ES3[®]



Application: Medium voltage reeling cable with reduced diameter.

Construction and technical data:

Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	basic EPR
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber GM1b
Torsion protection:	polyester braid
Sheathing material:	rubber (CR) 5GM3
Colour of outer sheath:	red
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-30 - +80 °C
Operating speed monospiral (one way), m/ min.:	200 m/min.
Operating speed tender system, m/min.:	60 m/min.



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.

TRATOSFLEX[®] ES3 3.6/6 kV

Nominal voltage U_o:	3.6 kV
Nominal voltage U:	6 kV
Maximum permitted operating voltage in three-phase systems:	7.2 kV
Test voltage:	11 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
053099	03x50+2x25/2+1x10	0.393	53.6	1776	4370

TRATOSFLEX[®] ES3 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]	Ø [mm]	Cu	G [kg]
052169	03X120 + 3X70/3	0.164	63	4176	6950
053342	03X185 + 03X95/3	0.108	72	6336	9700
053074	03X240 + 3X120/3	0.0817	78.5	8064	12120
053492	03x70+2x35/2+1x10	0.277	60	2448	5840

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