

Medium voltage reeling cable / FO TRATOSFLEX-ES3-FO[®] Type K



Application: Medium voltage reeling cable with optimized diameter and integrated optical fibers. The cables can be manufactured to order or project-specific with E9/125, 50/125 or 62.5/125 fibres or their various combinations. Our stock item (p/n 051873) contains 12 monomode (9/125) and 12 multimode (62.5/125) fibers in one loose tube each.

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
Permitted outer cable temperature, fixed, °C:	-60 - +60 °C
Permitted outer cable temperature, moved, °C:	-60 - +60 °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-FO[®] Type K - 6/10 kV

Nominal voltage U₀:	6 kV
Nominal voltage U:	10 kV
Maximum permitted operating voltage in three-phase systems:	12 kV
Test voltage:	29 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
053052	3X50 + 2X25/2 + 24 FO (9/125)	0.393	48.7	3000	4500	1680	3800
053779	3X95 + 2X50/2 + 24 FO (9/125)	0.21	58.5	5700	7000	3197	5800
053780	3X95 + 2X50/2 + 24 FO (50/125)	0.21	58.5	5700	7000	3197	5800
053781	3X95 + 2X50/2 + 24 FO (62,5/125)	0.21	58.5	5700	7000	3197	5800

RI	Conductor resistance
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000