

Medium voltage reeling cable / FO URSUS[®] MT FO PLUS



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Flexible reeling cable with integrated fibre optics wires for high and extreme mechanical stresses, e.g. torsional stress, deflection into different planes and high reeling speed. Also usable for reeling application in underground and opencast mining.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Electrical field control:	inner and outer semiconducting rubber layer
Material inner sheath:	rubber GM1b
Torsion protection:	polyester braid
Torsion:	+/- 25 °/m
Sheathing material:	rubber 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Oil-resistant:	EN 60811-404
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Max. short circuit temperature at conductor, °C:	250 °C
°C:	
Permitted outer cable temperature, fixed, °C:	-50 - +80 °C
Permitted outer cable temperature, moved, °C:	-30 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	15 x Ø
Maximum tensile strength at the conductor:	30 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.

URSUS[®] MT FO PLUS 3.6/6 kV**Nominal voltage U_o:** 3.6 kV**Nominal voltage U:** 6 kV**Maximum permitted operating voltage in** 7.2 kV**three-phase systems:****Test voltage:** 11 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
052290	3X50 + 3X25/3 + (14X2.5) + 12 FO 62.5/125	0.393	60.5	2016	5040
052995	3X120 + 3X70/3 + (12X2.5) + 12 FO 62.5/125	0.164	70.5	4503	7890
053233	03x240+1x120+(6x2.5)C+ 12 FO 62.5/125	0.0817	88.1	8256	13250

URSUS[®] MT FO PLUS 6/10 kV**Nominal voltage U_o:** 6 kV**Nominal voltage U:** 10 kV**Maximum permitted operating voltage in** 12 kV**three-phase systems:****Test voltage:** 17 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
054064	3X25 + 1X25 + 3X(2x2.5)C + 1X(24E9/125)	0.795	48	1219	3200
054065	3X25 + 1X25 + 3X(2X2.5)C + 1X(24G50/125)	0.795	48	1219	3200
054066	3X25 + 1X25 + 3X(2X2.5)C + 1X(24G62.5/125)	0.795	48	1219	3200
052281	3X35 + 2X25/2 + 24 FO 9/125	0.565	48.1	1248	3400
052807	3X35 + 2X25/2 + 12 FO 62.5/125	0.565	49.8	1248	3340
052998	3X35 + 3X35/3 + (6X2.5)C + 12FO 9/125	0.565	55	1556	4130
053106	3x35+3x35/3 + (6x2.5)C + 24 FO 62.5/125	0.565	55	1546	4120
053091	3X50 + 2X25/2 + 24G(50/125)	0.393	52.5	1680	3970
052988	3X50 + 3X50/3 + (4X2.5)C + 24 FO 9/125	0.393	57.4	2074	4660
051715	3X70 + 2X35/2 + 1X(12X(50/125))	0.277	57.1	2352	4900
053058	3X95 + 2X50/2 + 12X(50/125)	0.21	61.4	3216	6455
053094	3X120 + 3X70/3 + (12X2.5)C + 12E9/125	0.164	70.5	4503	7890

URSUS[®] MT FO PLUS 11/11 kV**Nominal voltage U_o:** 11 kV**Nominal voltage U:** 11 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
053057	3x35 + 25 + (6x2.5) + 18 FO 9/125	0.565	67.9	1392	5550

URSUS[®] MT FO PLUS 8.7/15 kV**Nominal voltage U_o:** 8.7 kV**Nominal voltage U:** 15 kV**Maximum permitted operating voltage in** 18 kV**three-phase systems:****Test voltage:** 24 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
053101	3X50 + 2X25/2 + 24X(50/125)	0.393	52.5	1680	3900
053287	3x95+50+(6x2.5)C+1x(24E9/125)	0.21	69.7	3408	7110

URSUS[®] MT FO PLUS 12/20 kV**Nominal voltage U_o:** 12 kV**Nominal voltage U:** 20 kV**Maximum permitted operating voltage in** 24 kV**three-phase systems:****Test voltage:** 29 kV

part no.	part name	RI [Ohm/km]	Ø [mm]	Cu	G [kg]
053452	3X25 + 2X25/2 + 1X(24E9/125)	0.795	55.4	960	3630
052515	3X35 + 2X25/2 + 1X(12X(62.5/125))	0.565	54.9	1248	4100
052475	3X35 + 3X35/3 + (12X2.5)C + 12 FO 9/125	0.565	58.2	1700	4530

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