

Medium voltage reeling cable

Rheymfirm[®] (RTS) R-(N)TSCGEWOEUS



DERZEIT KEIN BILD VERFÜGBAR. | NO IMAGE AVAILABLE.

Application: Flexible reeling cable for high and extreme mechanical stresses, e.g. torsional stress, deflection into different planes and high reeling speed. For laying indoors, outdoors, in water and in mining.

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:	rubber GM1b
Torsion protection:	polyester braid
Torsion:	+/- 25 °/m
Sheathing material:	rubber (CR) 5GM5
Colour of outer sheath:	red
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-45 - +80 °C
Permitted outer cable temperature, moved, °C:	-35 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	12 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.

Rheymfirm[®] (RTS) R-(N)TSCGEWOEUS 8.7/15 kV

Nominal voltage U₀:	8.7 kV
Nominal voltage U:	15 kV
Maximum permitted operating voltage in three-phase systems:	18 kV
Test voltage:	24 kV

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø [mm]	F _{zp} [N]	F _{zd} [N]	Cu	G [kg]
051461	03X35 + 3X25/3	0.554	172	5.2	43	2100	3150	1310	3130

Rheymfirm[®] (RTS) R-(N)TSCGEWOEUS 12/20 kV

Nominal voltage U₀:	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]	Ø [mm]	F _{zp} [N]	F _{zd} [N]	Cu	G [kg]
052238	03X35 + 3X25/3	0.554	172	5.2	50	2100	3150	1296	3370

RI	Conductor resistance
I _{bl}	Ampacity in air (30 °C)
I _k	Short-circuit current (1 s)
Ø	outer diameter approx.
F _{zp}	Tensile strength (permanent)
F _{zd}	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000