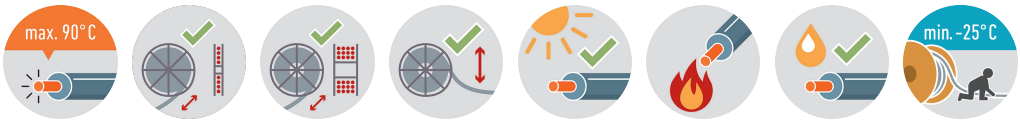
Medium voltage reeling cable
PRYSMIAN TENAX®-TTS (N)TSCGEWOEU

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. Main applications are e.g. festoon, high-speed container cranes, crane systems, mobile large equipment.

Construction and technical data:

Standard:	DIN VDE 0250-813 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) EI6
Electrical field control:	inner and outer semiconducting rubber layer
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	Gummi 5GM3
Self-supporting element:	aramide
Torsion protection:	synthetic braid
Sheathing material:	rubber (CR) 5GM5
UV-resistant:	yes
Oil-resistant:	yes
Ozone-resistant:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-25 - +80 °C
Bending radius, fixed installation:	6 x Ø
Bending radius, moving application:	12 x Ø
Maximum tensile strength at the conductor:	20 N/mm²
Operating speed:	180 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.

PRYSMIAN TENAX®-TTS (N)TSCGEWOEU 6/10 kV

Nominal voltage Uo: 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	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Lb [mH/km]	Rbb [mm]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
051855	03X35 + 3X25/3 RD-YE	0.554	162	5.01	0.097	460	46	2100	2625	1248	2880

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ik	Short-circuit current (1 s)
Lb	Specific inductivity
Rbb	Bending radius, moving application
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000

