

Heavy duty reeling cable

BiTcrane[®] (N)SHTOEU



Application: Extra heavy duty rubber reeling cable for power supplies. For applications with high mechanical stresses, especially for simultaneous tensile and torsion stresses. Suitable for motor-driven reels, spring-operated reels, and hoisting systems.

Construction and technical data:

Standard:	VDE 0250-814 (with ref. to)
Conductor material:	copper, bare
Conductor construction:	Class 5 = flexible
Insulation:	HEPR
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber 5GM5
Torsion protection:	synthetic braid
Sheathing material:	rubber 5GM5
Colour of outer sheath:	yellow
Flame-retardant:	IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-404
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:	-30 - +80 °C
Maximum tensile strength at the conductor:	30 N/mm ²
Operating speed:	240 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.

Bending radii

installation	
free movement	5D
reeling operation	6D
multi roller	7.5D
S-shaped track curves	≥20D

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Nominal voltage U_o: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in 1.2 kV

three-phase systems:

Test voltage: 3.5 kV

Protective conductor: yes

Core identification: colours acc. to VDE 0293 (HD308)

part no.	part name	RI [Ohm/km]	I _{bl} [A]	I _k [kA]	Ø [mm]	F _{zp} [N]	F _{zd} [N]	Cu	G [kg]
054466	03x300+3x150/3	0.0641	621	44.7	74	13500	27000	10080	13136

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