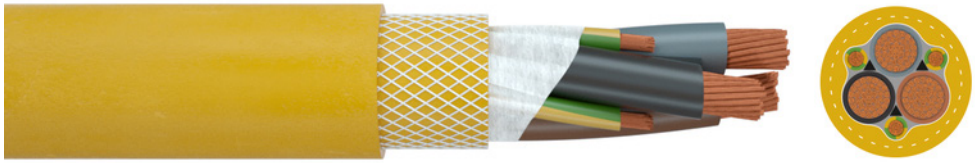
Heavy duty reeling cable
BiTcrane® (N)SHTOEU



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/mm²
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

BiTcrane® (N)SHTOEU-J

Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Maximum permitted operating voltage in three-phase systems: 1.2 kV

Test voltage: 3.5 kV

Protective conductor: yes

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

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ik [kA]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
054466	03x300+3x150/3	0.0641	621	44.7	74	13500	27000	10080	13136

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