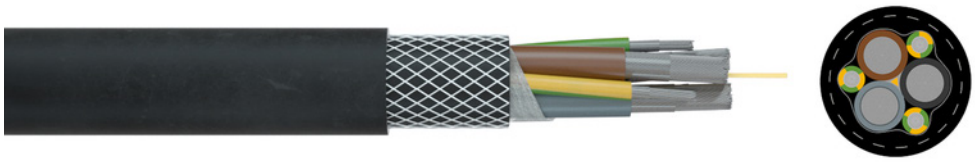
Rubber reeling cable
NSHTOEu /3



Application: As connection and reelable control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable or hawser in dry, damp or wet rooms and in wet industrial conditions. The cable is resistant to acids, lyes, and oils.

Maximum permitted speed v = 180 m/min, permanent tensile load 20 N/qmm.

Construction and technical data:

Standard:	VDE 0250 T. 814
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Arrangement of protective conductors:	split in the outer interstices
Material inner sheath:	rubber GM1b
Torsion protection:	polyester braid
Torsion:	+/- 25 °/m
Sheathing material:	Gummi 5GM3
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-resistant:	EN 60811-2-1
Ozone-resistant:	yes
For outdoor use:	yes
Max. temperature at conductor, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, moved, °C:	-20 - +80 °C
Maximum tensile strength at the conductor:	20 N/mm²
Operating speed random, m/min.:	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.

Bending radii

installation	<8 mm	8-12 mm	13-20 mm	>20 mm
free movement	3D	4D	5D	
reeling operation	5D			6D
festoon	3D	4D	5D	
drag chain	4D		5D	
multi roller	7.5D			

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Nominal voltage Uo: 0.6 kV

Nominal voltage U: 1 kV

Test voltage: 3 kV

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

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø min. [mm]	Ø max. [mm]	Ø [mm]	Fzp [N]	Fzd [N]	Cu	G [kg]
050776	3X50 + 3X25/3	0.393	168	37.1	46.8	46.8	2250	3000	1680	2730
050777	3X70 + 3X35/3	0.277	207	42.5	53.5	53.5	3150	4200	2352	3440
050778	3X95 + 3X50/3	0.21	250	48.2	60.6	60.6	4275	5700	3216	4690
050779	3X120 + 3X70/3	0.164	292	51.6	64.9	64.9	5400	7200	4128	6220
050780	3X150 + 3X70/3	0.132	335	56.2	70.7	70.7	6750	9000	4992	7480
050781	3X185 + 3X95/3	0.108	382	63.3	79.4	79.4	8325	11100	6240	9020
050782	3X240 + 3X120/3	0.0817	453	69.9	87.7	87.7	10800	14400	8064	11760

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø min.	outer diameter min.
Ø max.	outer diameter max.
Ø	outer diameter approx.
Fzp	Tensile strength (permanent)
Fzd	Tensile strength (dynamic)
Cu	Copper weight (GER)
G	net weight per 1000

