

Rubber reeling cable NSHTOEu /3



Conductor material:	copper, bare
Conductor class:	class 5 = fine stranded
Insulation:	rubber (EPR) 3GI3
Material inner sheath:	rubber GM1b
Torsion protection:	polyester braid
Sheathing material:	rubber (CR) 5GM3
Colour outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
Maximum permitted conductor temperature, °C:	90 °C
Permitted outer cable temperature, fixed, °C:	-40 - +80 °C
Permitted outer cable temperature, in motion/ during installation, °C:	-40 - +80 °C

Nominal voltage U₀:	600 V
Nominal voltage U:	1 kV
Test voltage:	3 kV
Core identification:	colours acc. to VDE 0293 (HD308)

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.

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



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	3D	4D	4D
reeling operation	5D	5D	5D	6D
festoon	3D	4D	5D	5D
drag chain	4D	4D	5D	5D
multi roller	7,5D	7,5D	7,5D	7,5D

Table: Technical characteristics NSHTÖu /3

p/n	part name	R_l [Ω/km]	I_{bl} [A]	D_A [mm]	F_{zv} [N]	Cu [kg/km]	G [kg/km]
050776	(N)SHTOEU-J 03X50 + 03X25/3 SW	0,393	168	37	2250	1680	2530
050777	(N)SHTOEU-J 03X70 + 03X35/3 SW	0,277	207	43	3150	2352	3440
050778	(N)SHTOEU-J 03X95 + 03X50/3 SW	0,21	250	46	4275	3216	4320
050779	(N)SHTOEU-J 03X120 + 03X70/3 SW	0,164	292	52	5400	4128	5400

p/n	part name	R _l [Ω/km]	I _{bl} [A]	D _A [mm]	F _{zv} [N]	Cu [kg/km]	G [kg/km]
050780	(N)SHTOEU-J 03X150 + 03X70/3 SW	0,132	335	56	6750	4992	6480
050781	(N)SHTOEU-J 03X185 + 03X95/3 SW	0,108	382	61	8325	6240	7890
050782	(N)SHTOEU-J 03X240 + 03X120/3 SW	0,0817	453	70	10800	8064	10180

RI	Conductor resistance
Ibl	Ampacity in air (30 °C)
DA	Outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight