

# Rubber insulated reeling cable NSHTÖU acc. to VDE 0250 T. 602



<b>conductor material:</b>	tinned copper
<b>conductor construction:</b>	fine stranded, class 5
<b>insulation:</b>	rubber (EPR) 3GI3, halogen-free
<b>maximum temperature at conductor:</b>	90 °C
<b>inner sheath:</b>	rubber GM1b
<b>torsion protecting element:</b>	polyester braid
<b>sheathing material:</b>	rubber (CR) 5GM3
<b>torsion:</b>	+/- 25 °/m
<b>colour of outer sheath:</b>	black
<b>flame retardant:</b>	VDE 0482-332-1-2/IEC 60332-1
<b>max. operating temperature, fixed:</b>	-40 - +80 °C
<b>temperature, moved/during installation:</b>	-20 - +80 °C
<b>core identification:</b>	NSHTöu
<b>nominal voltage U<sub>0</sub>:</b>	colours acc. VDE 0293 (HD308)
<b>nominal voltage U:</b>	0,6 kV
<b>test voltage:</b>	1 kV
<b>protective conductor:</b>	3 kV
	yes

**Application:** As connection and 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 can be reeled and is resistant to acids, lyes, and oils. The permissible reeling speed may be up to V = 2 m/s.



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.

## minimal permitted bending radii

installation	< 8 mm	8 - 12 mm	12 - 20 mm	more than 20 mm
free movement	3D	4D	5D	5D
forced guidance, reeling operation	5D	5D	5D	6D
forced guidance, festoon	3D	4D	5D	5D
forced guidance, drag chain	4D	4D	5D	5D
forced guidance, multiroller	7,5D	7,5D	7,5D	7,5D

table: technical data NSHTöu

p/n	part name	RI [Ω/km]	I <sub>bl</sub> [A]	DA [mm]	F <sub>z</sub> [N]	CU	G [kg/km]
050528	NSHTOEU-J 03X2,5 SW	8,21	26	14,8		72	300
050523	NSHTOEU-J 04X1,5 SW	13,7	18	14,4	90	58	275
050529	NSHTOEU-J 04X2,5 SW	8,21	26	17,2	150	96	415
050536	NSHTOEU-J 04X4 SW	5,09	34	18,8	240	154	530
050537	NSHTOEU-J 04X6 SW	3,39	44	20,2	360	230,4	684
050538	NSHTOEU-J 04X10 SW	1,95	61	24,4	600	384	1017
050539	NSHTOEU-J 04X16 SW	1,24	82	27,9	960	615	1370
050540	NSHTOEU-J 04X25 SW	0,795	108	34,9	1500	960	1985
050541	NSHTOEU-J 04X35 SW	0,565	135	37,5	2100	1344	2605

table: technical data NSHTöu

p/n	part name	RI [Ω/km]	I <sub>bl</sub> [A]	DA [mm]	F <sub>z</sub> [N]	CU	G [kg/km]
050542	NSHTOEU-J 04X50 SW	0,393	168	44,2	3000	1920	3593
050543	NSHTOEU-J 04X70 SW	0,277	207	48,6	4200	2688	4950
050544	NSHTOEU-J 04X95 SW	0,21	250	55,4	5700	3648	6490
050545	NSHTOEU-J 04X120 SW	0,164	292	62	7200	4608	8600
050766	NSHTOEU-J 04X150 SW	0,132	335	67,6	9000	5760	9090
050767	NSHTOEU-J 04X185 SW	0,108	382	73,2	11100	7104	9730
050524	NSHTOEU-J 05X1,5 SW	13,7	18	15,4		72	317
050530	NSHTOEU-J 05X2,5 SW	8,21	26	18,2		120	464
050548	NSHTOEU-J 05X4 SW	5,09	34	20,1	300	192	630
050546	NSHTOEU-J 05X6 SW	3,39	44	22,7	450	288	790
050547	NSHTOEU-J 05X10 SW	1,95	61	26,3	750	480	1200
050749	NSHTOEU-J 05X16 SW	1,24	82	30,1	1200	768	1700
050313	NSHTOEU-J 07X1,5 SW	13,7	18	18,8		101	414
050556	NSHTOEU-J 07X2,5 SW	8,21	26	20,8		168	575
050525	NSHTOEU-J 12X1,5 SW	13,7	18	25,1	270	173	607
050531	NSHTOEU-J 12X2,5 SW	8,21	26	28,2	450	288	904
050526	NSHTOEU-J 18X1,5 SW	13,7	18	25,2	405	260	743
050532	NSHTOEU-J 18X2,5 SW	8,21	26	29,2	675	432	1230
050312	NSHTOEU-J 24X1,5 SW	13,7	18	29,4	540	346	1024
050534	NSHTOEU-J 24X2,5 SW	8,21	26	34,3	900	576	1583
050527	NSHTOEU-J 30X1,5 SW	13,7	18	32,9	675	432	1327
050535	NSHTOEU-J 30X2,5 SW	8,21	26	38,5	1125	720	1841
050740	NSHTOEU-J 50X2,5 SW	8,21	26	47,7	1875	1200	3050

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