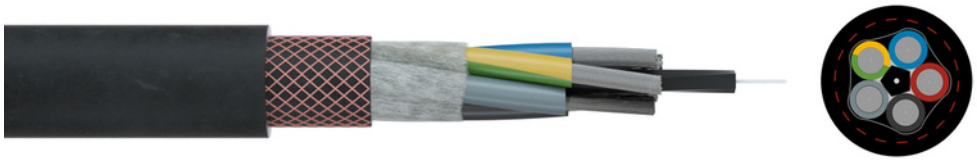
Rubber reeling cable
NSHTOEU



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. Please refer to the relevant installation guidelines on our website.

The maximum permissable speed is v=2 m/s.
Not suitable for longitudinal scraper.

Construction and technical data:

Standard:	DIN VDE 0250-814
Conductor material:	tinned copper
Conductor construction:	Class 5 = flexible
Insulation:	rubber (EPR) 3GI3
Material inner sheath:	rubber GM1b
Torsion protection:	polyester braid
Sheathing material:	rubber (CR) 5GM3
Colour of outer sheath:	black
Flame-retardant:	VDE 0482-332-1-2/IEC 60332-1-2
UV-resistant:	yes
Oil-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:	-25 - +80 °C
Operating speed random, m/min.:	120 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	Ø <8 mm	Ø = 8-12 mm	Ø = 13-20 mm	Ø >20 mm
free movement	3 x Ø	4 x Ø	5 x Ø	
reeling operation	5 x Ø			6 x Ø
festoon	3 x Ø	4 x Ø	5 x Ø	
drag chain	4 x Ø		5 x Ø	
multi roller	7.5 x Ø			

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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 (HD 308);
more than 5 cores: gn-ye + numbers

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzv [N]	Cu [kg/km]	G [kg]
052894	02X1.5	13.7	18	11.5	45	28,8	177
051125	03X1.5	13.7	18	13.6	67	47	213
050523	04X1.5	13.7	18	14.4	90	58	275
050524	05X1.5	13.7	18	15.4	112	72	317
050313	07X1.5	13.7	18	18.8	157	101	414
050525	12X1.5	13.7	18	22.9	270	173	650
052895	16G1.5	13.7	18	21.8	360	230,4	691
050526	18X1.5	13.7	18	25.2	405	260	743
052403	20X1.5	13.7	18	23.7	450	288	860
050312	24X1.5	13.7	18	29.4	540	346	1024
050527	30X1.5	13.7	18	32.9	675	432	1327
051809	42X1.5	13.7	18	35.3	945	646	1560
052404	56X1.5	13.7	18	37.6	1260	807	2125
050528	03X2.5	8.21	26	14.8	112	72	300
050529	04X2.5	8.21	26	17.2	150	96	415
050530	05X2.5	8.21	26	18.2	187	120	464
050556	07X2.5	8.21	26	20.8	262	168	575
050531	12X2.5	8.21	26	28.2	450	288	904
052896	16G2.5	8.21	26	25.1	600	384	958
051615	16X2.5 + 4X(2X1)C	8.21	26	33.7	600	590	1495
050532	18X2.5	8.21	26	29.2	675	432	1230
050533	19X2.5 + 5X1.5(C)	8.21	26	34	712	630	1450
050534	24X2.5	8.21	26	34.3	900	576	1583
050739	25X2.5 + 5X1.5(C)	8.21	26	36	937	812	1850
050535	30X2.5	8.21	26	38.5	1125	720	1841
051567	36X2.5	8.21	26	35	1350	864	1800
050740	50X2.5	8.21	26	47.7	1875	1200	3050
052438	54X2.5	8.21	26	46.5	2025	1296	2720
050536	04X4	5.09	34	18.8	240	154	530
050537	04X6	3.39	44	20.2	360	230,4	684
050538	04X10	1.95	61	24.4	600	384	1017
050539	04X16	1.24	82	27.9	960	615	1370
050540	04X25	0.795	108	34.9	1500	960	1985
050541	04X35	0.565	135	37.5	2100	1344	2605
050542	04X50	0.393	168	44.2	3000	1920	3593
050543	04X70	0.277	207	48.6	4200	2688	4950
050544	04X95	0.21	250	55.4	5700	3648	6490
050545	04X120	0.164	292	62	7200	4608	8600
050766	04X150	0.132	335	67.6	9000	5760	9090

part no.	part name	Rl [Ohm/km]	Ibl [A]	Ø [mm]	Fzv [N]	Cu [kg/km]	G [kg]
050767	04X185	0.108	382	73.2	11100	7104	9730
050548	05X4	5.09	34	20.1	300	192	630
050546	05X6	3.39	44	22.7	450	288	790
050547	05X10	1.95	61	26.3	750	480	1200
050749	05X16	1.24	82	30.1	1200	768	1700
051633	05X25	0.795	108	38	1875	1200	2450
051634	05X35	0.565	135	43.5	2625	1680	3235
051745	05X70	0.277	207	50.9	5250	3360	5480
051746	05X95	0.21	250	58.4	7125	4560	7140

Rl	Conductor resistance
Ibl	Ampacity in air (30 °C)
Ø	outer diameter approx.
Fzv	Tensile strength (during installation)
Cu	Copper weight (GER)
G	net weight per 1000