

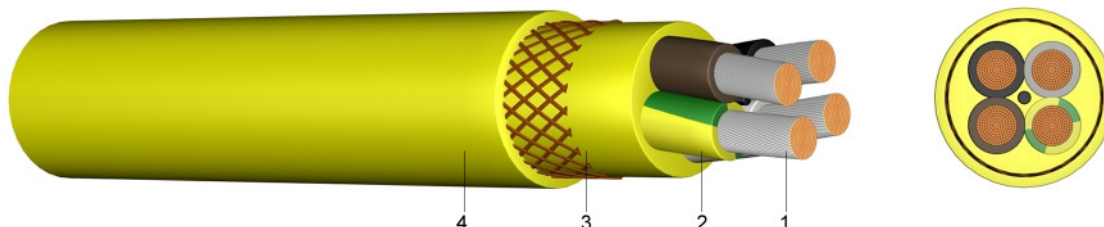
Datasheet

Version 1/2009

NSHTöu(SMK) Rubber Sheathed Cable for Cordaflex Reeling Purposes Crane Cable

Application:

It is to be used as a connection cable for reeling purposes for very high mechanical loads on movable appliances, mobile line carriers, piped vehicles as well as for vertical drum operation. It is also applicable for the scope of DIN VDE 0168 and 0118, for underground and open-cast mines.



Construction:

- 1 fine-stranded tinned copper
- 2 PROTOLON insulated cores
- 3 inner sheath of a special compound polychloroprene (PCP), antitorsion braid made of polyester threads, in a vulcanised bond between the inner and outer sheath
- 4 outer sheath of wear- and tear-resistant PCP compound, yellow, oil-, weather- and water resistant

According to:

adapted to DIN VDE 0250-814
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1.000 Volt
Test voltage		[V] _{AC}	2500
Temperature range	in motion		-35 °C till +60 °C
	fixed		-50 °C till +80 °C
Operating temperature	short circuit	°C	250
Short circuit time	max.	[sec]	5
Bending radius	min.	x diameter	8
Oil-resistant	standard		EN 60811-2-1
Flammability	standard		EN 60332-1-2

Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
5 x 1,5	75	50 x 0,21	13,0	14,6	280
7 x 1,5	105	50 x 0,21	15,2	17,2	385
12 x 1,5	180	50 x 0,21	21,4	23,4	710
24 x 1,5	378	50 x 0,21	23,8	26,8	990
4 x 2,5	100	80 x 0,21	13,2	14,8	305
7 x 2,5	175	80 x 0,21	16,6	18,6	510
12 x 2,5	300	80 x 0,21	23,4	25,4	920
18 x 2,5	450	80 x 0,21	23,3	25,3	1.005
24 x 2,5	600	80 x 0,21	26,2	29,2	1.320
19 x 2,5+5x1(C)	657	80 x 0,21	26,2	29,2	1.290
25 x 2,5+5x1(C)	812	80 x 0,21	29,4	32,4	1.620
30 x 2,5	750	80 x 0,21	29,4	32,4	1.660
4 x 6	240	120 x 0,26	17,4	19,4	575

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Number of cores and nominal cross section mm ²	Copper figure kg/km	Cond. construction (appr. value) mm	Overall diameter appr. mm	Overall diameter max. value appr. mm	Weight appr. kg / km
4 x 10	442	210 x 0,26	21,6	23,6	905
4 x 16	640	230 x 0,31	23,7	26,7	1.240
4 x 25	1.000	360 x 0,31	28,5	31,5	1.850
5 x 6	300	120 x 0,26	19,0	21,0	690
3 x 35+3x16/3	1.269	510 x 0,31	34,4	37,4	2.160
3 x 50+3x25/3	1.835	530 x 0,31	39,7	42,7	2.850
3 x 70+3x35/3	2.450	730 x 0,36	39,7	42,7	3.920
3 x 95+3x50/3	3.350	780 x 0,41	44,3	47,3	5.020
3 x 120+3x70/3	4.300	1000 x 0,41	51,0	55,0	6.630