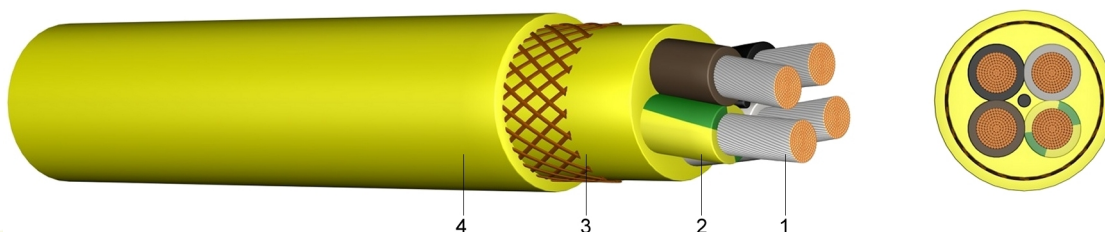


NSHTöu(SMK) Rubber Sheathed Cable for Cordaflex Reeling Purposes Crane Cable

Application:

It is to be used as a connection cable for reeling purposes for very high mechanical loads on movable appliances, mobile line carriers, cable carriages 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
- 4 outer sheath of wear- and tear-resistant PCP compound, yellow, oil-, weather- and water resistant

Standards:

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	72,0	50 x 0,21	13,0	14,6	280
7 x 1,5	105,6	50 x 0,21	15,2	17,2	385
12 x 1,5	182,4	50 x 0,21	21,4	23,4	710
24 x 1,5	362,9	50 x 0,21	23,8	26,8	990
4 x 2,5	100,8	80 x 0,21	13,2	14,8	305
7 x 2,5	175,7	80 x 0,21	16,6	18,6	510
12 x 2,5	302,4	80 x 0,21	23,4	25,4	920
18 x 2,5	454,1	80 x 0,21	23,3	25,3	1.005

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
24 x 2,5	604,80	80 x 0,21	26,2	29,2	1.320
19 x 2,5+5x1(C)	584,6	80 x 0,21	26,2	29,2	1.290
25 x 2,5+5x1(C)	736,3	80 x 0,21	29,4	32,4	1.620
30 x 2,5	756,5	80 x 0,21	29,4	32,4	1.660
4 x 6	241,9	120 x 0,26	17,4	19,4	575
4 x 10	424,3	210 x 0,26	21,6	23,6	905
4 x 16	645,1	230 x 0,31	23,7	26,7	1.240
4 x 25	1.020,5	360 x 0,31	28,5	31,5	1.850
5 x 6	302,4	120 x 0,26	19,0	21,0	690
3 x 35+3x16/3	1.220,2	510 x 0,31	34,4	37,4	2.160
3 x 50+3x25/3	1.764,5	530 x 0,31	39,7	42,7	2.850
3 x 70+3x35/3	2.470,1	730 x 0,36	39,7	42,7	3.920
3 x 95+3x50/3	3.377,3	780 x 0,41	44,3	47,3	5.020
3 x 120+3x70/3	4.334,4	1000 x 0,41	51,0	55,0	6.630