

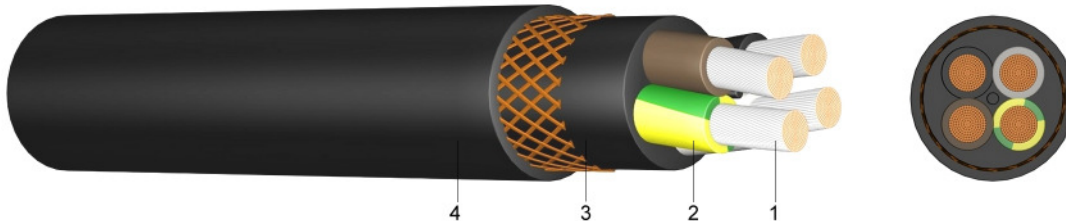
Datasheet NSHTöu

Version 1/2009

Rubber Sheathed Cable for Reeling Purposes Crane Cable

Application:

It is to be used in dry and humid locations as well as in the open-air for frequent reeling processes and when the cable is exposed to heavy tensile and torsion load as well as to forced bending as in the case of piped vehicles, line chains, drums or other mechanical equipment.
Travel speed up to 120 m/min.



Construction:

- 1 fine-stranded tinned copper
- 2 core insulation of rubber compound (EPR)
- 3 inner sheath of rubber (5GM2) with open plaiting out of plastic threads to protect the cable from torsion
- 4 outer sheath of polychloroprene (5GM2), black, oil resistant and flame retardant

According to:

DIN VDE 0250-814
DIN EN 60228 class 5 (construction)
HD 308 S2 (core identification)
DIN VDE 0293-1

Technical data:

Nominal voltage U ₀ /U		[V]	600 / 1000 Volt
Test voltage		[V] _{AC}	4000
Temperature range	in motion		-20 °C till +90 °C
Operating temperature	short circuit	°C	200
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	Weight appr. kg / km
4 x 1,5	60	44 x 0,21	11,8	222
5 x 1,5	75	44 x 0,21	12,7	260
7 x 1,5	105	44 x 0,21	16,0	380
12 x 1,5	180	44 x 0,21	22,0	720
18 x 1,5	270	44 x 0,21	22,1	770
24 x 1,5	360	44 x 0,21	26,1	1.000
30 x 1,5	450	44 x 0,21	29,5	1.320
4 x 2,5	100	73 x 0,21	14,4	335
5 x 2,5	125	73 x 0,21	15,4	390
7 x 2,5	175	73 x 0,21	17,9	505

Number of cores and nominal cross section mm ²	Copper figure	Cond. construction (appr. value)	Overall diameter	Weight
	kg/km	mm	appr. mm	appr. kg / km
12 x 2,5	300	73 x 0,21	25,0	970
18 x 2,5	450	73 x 0,21	25,9	1.100
24 x 2,5	600	73 x 0,21	30,8	1.450
30 x 2,5	750	73 x 0,21	34,9	1.950
4 x 4	160	75 x 0,26	16,0	435
4 x 6	240	119 x 0,26	17,4	530
4 x 10	400	196 x 0,26	21,3	830
4 x 16	640	210 x 0,31	24,7	1.170
4 x 25	1.000	336 x 0,31	31,4	1.830
4 x 35	1.400	475 x 0,31	33,9	2.280
4 x 50	2.000	684 x 0,31	40,2	3.220
4 x 70	2.800	551 x 0,41	44,5	4.200
4 x 95	3.800	722 x 0,41	51,0	5.530
5 x 4	200	75 x 0,26	17,3	520
5 x 6	300	119 x 0,26	19,7	690
5 x 10	500	196 x 0,26	23,1	1.000
5 x 16	800	210 x 0,31	26,8	1.400
5 x 35	1.750	475 x 0,31	38,3	2.950