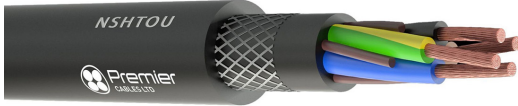


NSHTÖU Drum Reeling Cable



Application

For use in hoists, transporting machines and conveyors, in power chains, as drum and drag cables and as hawsers. Wherever cables are reeled, unreeled, guided by roller trains or similar.

Oil and UV resistant to BS EN/IEC 60811-2-1.

Standards

**VDE0250, BS EN/IEC 60811-2-1,
BS EN/IEC 60332-1-2**

Characteristics

Voltage rating (U_o/U)
600/1000V

Temperature Rating
Fixed: -40°C to +60°C
Flexed: -25°C to +60°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Flexed: 5 x overall diameter



Construction

Conductor

Flexible Class 5 tinned copper conductor

Insulation

Rubber compound Type 3GI3 according to VDE 0207 part 20

Filler

EPR (Ethylene Propylene Rubber) Type 3GI3, on a textile polyester support

Bedding

Rubber compound Type GM1b according to VDE 0207 part 21

Braiding

Polyester braid

Sheath

Rubber compound Type 5GM3 according to VDE 0207 part 21

Sheath Colour

Black



Dimensions

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
4	1.5	14.6	295
4	2.5	16.2	370
4	4	29.3	520
4	6	21.7	690
4	10	25.9	1025
4	16	29.1	1305
4	25	34.4	2070
4	35	38.6	2740
4	50	45	3790
4	70	51	5356
4	95	60.6	7018
4	120	63.5	8220
4	150	66.5	8905
5	4	20.5	640
5	6	23.2	855
5	10	27.8	1200
5	1.5	15.6	340
5	2.5	18.6	490
5	16	31.7	1745
7	1.5	17.6	420
7	2.5	20.8	615
12	1.5	21.3	630
12	2.5	24.9	895
18	1.5	24.8	895
18	2.5	28.2	1195
24	1.5	28	1100
24	2.5	33	1565
30	1.5	30.3	1345
30	2.5	34.6	183
42	1.5	35.2	1773
45	2.5	43.8	2863

Conductors

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM CONDUCTOR RESISTANCE AT 20°C
		Metal-Coated Wires ohms/km
1.5	0.26	13.7
2.5	0.26	8.21
4	0.31	5.09
6	0.31	3.39
10	0.41	1.95
16	0.41	1.24
25	0.41	0.795
35	0.41	0.565
50	0.41	0.393
70	0.51	0.277
95	0.51	0.21
120	0.51	0.164
150	0.51	0.132

The above table is in accordance with BS EN 60228 (previously BS 6360)

Electrical Characteristics

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY				
	In Air Amps	In Conduit Amps	Reeled		
			1 Layer Amps	2 Layer Amps	3 Layer Amps
1.5	25	24	19	15	12
2.5	32	30	24	18	15
4	43	41	33	25	20
6	56	53	42	32	26
10	78	74	59	45	36
16	104	99	79	60	49
25	138	131	105	80	64
35	170	162	130	99	79
50	212	202	162	123	99
70	263	250	200	153	123
95	316	301	241	184	147
120	370	352	282	215	172
150	424	404	323	246	198

For ambient temperature of 30°C

DE-RATING FACTORS

AIR TEMPERATURE	30°C	35°C	40°C	45°C	50°C	55°C	60°C	65°C
DE-RATING FACTOR	1	0.96	0.91	0.87	0.82	0.76	0.71	0.65

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.