

DRUM PUR-HF

Reeling cables with PUR sheath



Cable structure

- Stranded bare copper conductor (tinned conductor on request) according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation based on TPE
- Cores color coding according to DIN VDE 0293 (6 cores and more black cores with repeated white numbering)
- Supporting element – central textile rope
- Textile tape
- Double PUR sheath with textile weave in as protection against torsion
- Halogen-free
- Tested according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Special cable for cable reels according to DIN VDE 0250
- **Temperature range** flexing from -40 °C to +90 °C
fixed from -50 °C to +90 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Test voltage a.c.** 2500 V
- **Minimum bending radius** 6× cable diameter

Application

These reeling cables have reduced outer diameters, weight and minimum bending radius compared to NSHTÖU cables. It makes possible to applicate with smaller drive motors and reels, saving the cost. The cables are used for high mechanical stress and torsional stress, especially for applications with frequent winding and unwinding, for example for building machines, conveyer belts and cranes. Cables are used as stable and weather resistant cables for the most difficult operations in mine and manipulation devices. Thanks to PUR outer sheath these cables are resistant against ozone, radiation, low temperature, abrasion, climatic influences, oils, lipids, and petrol. The cables are suitable for installation in dry, damp and wet environments as well as outdoors.

Note

During installation and operation the tensile stress cannot exceed 25 N/mm²

Max. premissible running speed when winding 180 m/min

After unwinding, 1 to 2 convolutions should remain on the drum

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC. Conforms to RoHS. Other sizes and types available on request.

Part No.	Number of cores x core cross section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Breaking load of the suspension [N]
0777144	4 × 1,5	11,2	58	155	1340
0777145	5 × 1,5	11,8	80	178	1690
0777146	7 × 1,5	13,5	115	218	2150
0777147	12 × 1,5	17,0	196	363	2600
0777148	18 × 1,5	18,1	303	459	2600
0777149	24 × 1,5	20,9	392	590	2800
0777150	30 × 1,5	23,0	432	720	2900
0777151	42 × 1,5	28,5	633	980	2900
0777152	4 × 2,5	12,3	96	208	1345
0777153	5 × 2,5	13,0	124	230	2100
0777154	7 × 2,5	14,7	180	315	2550
0777155	12 × 2,5	19,4	308	485	2900
0777156	18 × 2,5	20,5	450	679	3200
0777157	24 × 2,5	23,6	616	860	3450
0777158	30 × 2,5	26,8	771	1080	4200
0777161	4 × 4	13,6	160	281	1690
0777162	4 × 6	14,9	240	372	1860
0777163	4 × 10	18,9	404	615	2300
0777164	4 × 16	22,1	642	924	2800
0777165	4 × 25	25,5	1005	1270	3300
0777166	4 × 35	30,0	1410	1778	3300
0777167	4 × 50	35,6	2010	2650	3800
0777168	4 × 70	43,6	2688	3380	4500
0777169	4 × 95	49,2	3648	4695	–
0777172	5 × 4	14,5	200	318	2500
0777173	5 × 6	17,4	317	435	3000
0777174	5 × 10	20,5	528	704	3000
0777175	5 × 16	24,2	816	1067	3000
0777176	4 × 16 + 2 × (4 × 1,5) C	25,3	840	1200	2110
0777177	19 × 2,5 + 5 × 1,5 (C)	23,8	563	850	2900
0777178	25 × 1,5 + 5 × 1,5 (C)	23,4	635	704	2900
0777179	8 × 6 × 2,5	43,5	1152	2485	4000