

Rubber insulated reeling cable NSHTÖU acc. to VDE 0250 T. 602



| | |
|--|---------------------------------|
| conductor material: | tinned copper |
| conductor construction: | fine stranded, class 5 |
| insulation: | rubber (EPR) 3GI3, halogen-free |
| inner sheath: | rubber GM1b |
| torsion protecting element: | polyester braid |
| sheathing material: | rubber (CR) 5GM3 |
| colour of outer sheath: | black |
| flame retardant: | VDE 0482-332-1-2/IEC 60332-1 |
| maximum temperature at conductor: | 90 °C |
| max. operating temperature, fixed: | -40 - +80 °C |
| temperature, moved/during installation: | -20 - +80 °C |
| torsion: | +/- 25 °/m |
| core identification: | NSHTöu |
| nominal voltage U₀: | colours acc. VDE 0293 (HD308) |
| nominal voltage U: | 0,6 kV |
| test voltage: | 1 kV |
| protective conductor: | 3 kV |
| | yes |

Application: As connection and control cable in lifting devices, hoisting plants and transporting machines for heavy mechanical load, and as drum and drag cable or hawser in dry, damp or wet rooms and in wet industrial conditions. The cable can be reeled and is resistant to acids, lyes, and oils.
The maximum permissible speed is v=2 m/s.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

minimal permitted bending radii

| installation | < 8 mm | 8 - 12 mm | 12 - 20 mm | more than 20 mm |
|------------------------------------|--------|-----------|------------|-----------------|
| free movement | 3D | 4D | 5D | 5D |
| forced guidance, reeling operation | 5D | 5D | 5D | 6D |
| forced guidance, festoon | 3D | 4D | 5D | 5D |
| forced guidance, drag chain | 4D | 4D | 5D | 5D |
| forced guidance, multiroller | 7,5D | 7,5D | 7,5D | 7,5D |

table: technical data NSHTöu

| Art.-Nr. | part-name | RI [Ω/km] | I _{bl} [A] | DA [mm] | F _z [N] | CU | G [kg/km] |
|----------|---------------------|-----------|---------------------|---------|--------------------|-------|-----------|
| 051125 | NSHTOEU-J 03X1,5 SW | 13,7 | 18 | 13,6 | | 47 | 213 |
| 050528 | NSHTOEU-J 03X2,5 SW | 8,21 | 26 | 14,8 | | 72 | 300 |
| 050523 | NSHTOEU-J 04X1,5 SW | 13,7 | 18 | 14,4 | 90 | 58 | 275 |
| 050529 | NSHTOEU-J 04X2,5 SW | 8,21 | 26 | 17,2 | 150 | 96 | 415 |
| 050536 | NSHTOEU-J 04X4 SW | 5,09 | 34 | 18,8 | 240 | 154 | 530 |
| 050537 | NSHTOEU-J 04X6 SW | 3,39 | 44 | 20,2 | 360 | 230,4 | 684 |
| 050538 | NSHTOEU-J 04X10 SW | 1,95 | 61 | 24,4 | 600 | 384 | 1017 |

table: technical data NSHTöu

| Art.-Nr. | part-name | RI [Ω/km] | Ibl [A] | DA [mm] | Fz [N] | CU | G [kg/km] |
|----------|---------------------|--------------|------------|------------|-----------|------|--------------|
| 050539 | NSHTOEU-J 04X16 SW | 1,24 | 82 | 27,9 | 960 | 615 | 1370 |
| 050540 | NSHTOEU-J 04X25 SW | 0,795 | 108 | 34,9 | 1500 | 960 | 1985 |
| 050541 | NSHTOEU-J 04X35 SW | 0,565 | 135 | 37,5 | 2100 | 1344 | 2605 |
| 050542 | NSHTOEU-J 04X50 SW | 0,393 | 168 | 44,2 | 3000 | 1920 | 3593 |
| 050543 | NSHTOEU-J 04X70 SW | 0,277 | 207 | 48,6 | 4200 | 2688 | 4950 |
| 050544 | NSHTOEU-J 04X95 SW | 0,21 | 250 | 55,4 | 5700 | 3648 | 6490 |
| 050545 | NSHTOEU-J 04X120 SW | 0,164 | 292 | 62 | 7200 | 4608 | 8600 |
| 050766 | NSHTOEU-J 04X150 SW | 0,132 | 335 | 67,6 | 9000 | 5760 | 9090 |
| 050767 | NSHTOEU-J 04X185 SW | 0,108 | 382 | 73,2 | 11100 | 7104 | 9730 |
| 050524 | NSHTOEU-J 05X1,5 SW | 13,7 | 18 | 15,4 | | 72 | 317 |
| 050530 | NSHTOEU-J 05X2,5 SW | 8,21 | 26 | 18,2 | | 120 | 464 |
| 050548 | NSHTOEU-J 05X4 SW | 5,09 | 34 | 20,1 | 300 | 192 | 630 |
| 050546 | NSHTOEU-J 05X6 SW | 3,39 | 44 | 22,7 | 450 | 288 | 790 |
| 050547 | NSHTOEU-J 05X10 SW | 1,95 | 61 | 26,3 | 750 | 480 | 1200 |
| 050749 | NSHTOEU-J 05X16 SW | 1,24 | 82 | 30,1 | 1200 | 768 | 1700 |
| 050313 | NSHTOEU-J 07X1,5 SW | 13,7 | 18 | 18,8 | | 101 | 414 |
| 050556 | NSHTOEU-J 07X2,5 SW | 8,21 | 26 | 20,8 | | 168 | 575 |
| 050525 | NSHTOEU-J 12X1,5 SW | 13,7 | 18 | 25,1 | 270 | 173 | 607 |
| 050531 | NSHTOEU-J 12X2,5 SW | 8,21 | 26 | 28,2 | 450 | 288 | 904 |
| 050526 | NSHTOEU-J 18X1,5 SW | 13,7 | 18 | 25,2 | 405 | 260 | 743 |
| 050532 | NSHTOEU-J 18X2,5 SW | 8,21 | 26 | 29,2 | 675 | 432 | 1230 |
| 050312 | NSHTOEU-J 24X1,5 SW | 13,7 | 18 | 29,4 | 540 | 346 | 1024 |
| 050534 | NSHTOEU-J 24X2,5 SW | 8,21 | 26 | 34,3 | 900 | 576 | 1583 |
| 050527 | NSHTOEU-J 30X1,5 SW | 13,7 | 18 | 32,9 | 675 | 432 | 1327 |
| 050535 | NSHTOEU-J 30X2,5 SW | 8,21 | 26 | 38,5 | 1125 | 720 | 1841 |
| 050740 | NSHTOEU-J 50X2,5 SW | 8,21 | 26 | 47,7 | 1875 | 1200 | 3050 |

1