



Construction:

| | |
|------------------------|------------------------------------|
| Conductor | : tinned copper. |
| Conductor construction | : fine stranded, class 5. |
| Insulation | : rubber (EPR) 3GI3, halogen-free. |
| Sheating material | : rubber (CR) 5GM5. |
| Protective conductor | : NSSHÖU-J - Yes. NSSHÖU-O - No. |

Technical data and tests:

| | |
|-----------------------------------|------------------|
| Rated voltage U ₀ /U | : 0.6/1 kV. |
| Test Voltage | : 3 kV. |
| Max. temperature at conductor | : 90° C. |
| Max. operating temperature, fixed | : -40° ~ +80° C. |
| Temp. moved/during installation | : -20° ~ +80° C. |
| UV resistant | : yes. |
| Flame retardant | : yes. |
| Oil, lye and grease resistant | : yes. |

Standards:

| | |
|---------------------|---------------------------------|
| Cable | : VDE 0250 T. 812. |
| Core identification | : VDE 0293 (HD308). |
| Flame retardant | : VDE 0482-332-1-2/IEC 60332-1. |
| Oil resistant | : EN 60811-2-1. |

Applications:

At high mechanical stresses for the connection of heavy-duty underground mining, industrial and construction equipment, in dry and damp areas, and outdoors. The cable is largely flame-resistant and oil-proof.

DIMENSIONS

| No. conductors x cross section | Ri Ω/km | lbl A | Rbb mm | Rbv mm | Da mm | Fz N | Cu kg/km | G kg/km |
|--------------------------------|------------|----------|-----------|-----------|----------|---------|-------------|------------|
| NSSHOU-J 3x1,5 | 13,7 | 23 | 63 | 50 | 12,5 | 67 | 43 | 200 |
| 3X2,5 | 8,21 | 30 | 66 | 53 | 13,2 | 112 | 72 | 260 |
| 3X4 | 5,09 | 41 | 81 | 65 | 16,2 | 180 | 115 | 380 |
| 3X70/35 | 0,2777 | 250 | 223 | 178 | 44,6 | 3150 | 2352 | 4460 |
| 3X95/50 | 0,21 | 301 | 266 | 212 | 53,1 | 4275 | 3216 | 5910 |
| 3X120/70 | 0,164 | 352 | 270 | 216 | 54 | 5400 | 4128 | 7300 |
| 3X150/70 | 0,132 | 404 | 366 | 292 | 73,1 | 7800 | 4992 | 7119 |
| 4X1,5 | 13,7 | 23 | 63 | 50 | 12,6 | 90 | 58 | 230 |
| 4X2,5 | 8,21 | 30 | 80 | 64 | 15,9 | 150 | 96 | 350 |
| 4X4 | 5,09 | 41 | 88 | 70 | 17,5 | 240 | 154 | 450 |

| | |
|-----|-----------------------------------|
| Dl | diameter of conductor |
| Rl | conductor resistance |
| lbl | ampacity (in air) |
| lk | short circuit current (1 s) |
| Rbb | bending radius, moved application |

| | |
|-----|--|
| Rbv | bending radius, fixed installation |
| DA | outer diameter |
| Fzv | tensile strength (during installation) |
| Ev | combustion energy |
| Cu | copper |
| G | weight |

Any other sizes available on request.



**HALLEY CABLES****NSSHÖU- J/O****Rubber Cable**

Rubber insulated cable resistant at high mechanical stress

www.halleycables.com

DIMENSIONS

| No. conductors x cross section | Ri Ω /km | lbl A | Rbb mm | Rbv mm | Da mm | Fz N | Cu kg/km | G kg/km |
|--------------------------------|--------------------|----------|-----------|-----------|----------|---------|-------------|------------|
| 4X6 | 3,39 | 53 | 94 | 76 | 28,8 | 360 | 320 | 560 |
| 4X10 | 1,95 | 74 | 115 | 92 | 23 | 600 | 384 | 860 |
| 4X16 | 1,24 | 99 | 137 | 110 | 27,3 | 960 | 614 | 1350 |
| 4X25 | 0,795 | 131 | 173 | 138 | 34,5 | 1500 | 960 | 2010 |
| 4X35 | 0,565 | 162 | 182 | 146 | 36,4 | 2100 | 1344 | 2590 |
| 4X50 | 0,393 | 202 | 208 | 166 | 41,5 | 3000 | 1920 | 2660 |
| 4X70 | 0,277 | 250 | 233 | 186 | 46,5 | 4200 | 2688 | 4605 |
| 4X95 | 0,21 | 301 | 284 | 227 | 56,8 | 5700 | 3648 | 6400 |
| 4X120 | 0,164 | 352 | 328 | 262 | 65,5 | 7200 | 4608 | 7705 |
| 4X150 | 0,132 | 404 | 366 | 293 | 73,2 | 9000 | 5760 | 8200 |
| 4X185 | 0,108 | 461 | | | 76,2 | 11100 | 7104 | 10604 |
| 5X1,5 | 13,7 | 23 | 76 | 60 | 15,1 | 112 | 72 | 255 |
| 5X2,5 | 8,21 | 30 | 86 | 69 | 17,2 | 187 | 120 | 385 |
| 5X4 | 5,09 | 41 | 97 | 78 | 19,4 | 300 | 192 | 560 |
| 5X6 | 3,39 | 53 | 107 | 86 | 21,4 | 450 | 288 | 670 |
| 5X10 | 1,95 | 74 | 118 | 94 | 23,5 | 750 | 480 | 1000 |
| 5X16 | 1,24 | 99 | 151 | 120 | 30,1 | 1200 | 768 | 1570 |
| 5X25 | 0,795 | 131 | 178 | 142 | 35,5 | 1875 | 1200 | 2340 |
| 5X35 | 0,565 | 162 | 221 | 176 | 44,1 | 2625 | 1680 | 3400 |
| 5X95 | 0,21 | 301 | 303 | 242 | 60,6 | 7125 | 4560 | 6730 |
| 7X1,5 | 13,7 | 23 | 85 | 68 | 16,9 | 157 | 101 | 410 |
| 7X2,5 | 8,21 | 30 | 98 | 78 | 19,5 | 262 | 168 | 500 |
| 10X1,5 | 13,7 | 23 | 103 | 82 | 20,5 | 225 | 144 | 545 |
| 11X1,5 | 13,7 | 23 | 111 | 88 | 22,1 | 247 | 158 | 600 |
| 12X2,5 | 8,21 | 30 | 108 | 86 | 21,6 | 450 | 288 | 770 |
| 18X2,5 | 8,21 | 30 | 139 | 111 | 27,8 | 675 | 432 | 1160 |

DIMENSIONS

| No. conductors x cross section | Di mm | Ri Ω /km | lbl A | Rbb mm | Rbv mm | Da mm | Fz N | Cu kg/km | G kg/km |
|--------------------------------|----------|--------------------|----------|-----------|-----------|----------|---------|-------------|------------|
| NSSHOU-O 1X16 | 5,5 | 1,24 | 132 | 57 | 46 | 11,4 | 240 | 154 | 260 |
| 1X25 | 6,4 | 0,795 | 176 | 66 | 52 | 13,1 | 375 | 240 | 400 |
| 1X35 | 7,5 | 0,565 | 218 | 73 | 58 | 14,5 | 525 | 336 | 500 |
| 1X50 | 9 | 0,393 | 276 | 95 | 76 | 19 | 750 | 480 | 680 |
| 1X70 | 10,8 | 0,277 | 347 | 100 | 80 | 20 | 1050 | 672 | 900 |
| 1X95 | 12,6 | 0,21 | 416 | 111 | 89 | 22,2 | 1425 | 912 | 1150 |
| 1X120 | 14,3 | 0,164 | 488 | 120 | 96 | 24 | 1800 | 1151 | 1440 |
| 1X150 | 15,9 | 0,132 | 566 | 136 | 108 | 27,1 | 2250 | 1440 | 1750 |
| 1X185 | 17,5 | 0,108 | 644 | 151 | 121 | 30,2 | 2775 | 1776 | 2180 |
| 1X240 | 20,5 | 0,0817 | 775 | 171 | 137 | 34,2 | 3600 | 2304 | 2790 |
| 1X300 | 27 | 0,0654 | 898 | 211 | 168 | 42,1 | 4500 | 2880 | 3460 |
| 2X1,5 | 1.8 | 13,7 | 23 | 59 | 47 | 11,8 | 45 | 29 | 190 |
| 2X2,5 | 2.4 | 8,21 | 30 | 64 | 51 | 12,8 | 75 | 48 | 210 |

NSSHÖU- J/O

