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|--|---------------------------------|
| 1. conductor material: | tinned copper |
| 2. insulation: | rubber (EPR) 3GI3, halogen-free |
| 3. torsion protecting element: | polyester braid |
| 4. sheathing material: | rubber (CR) 5GM3 |
| conductor construction: | fine stranded, class 5 |
| inner sheath: | rubber GM1b |
| colour of outer sheath: | black |
| flame retardant: | VDE 0482-332-1-2/IEC 60332-1 |
| max. temperature at conductor: | 90°C |
| max. operating temperature, fixed: | -40 up to +80°C |
| temperature, moved/during installation: | -20 up to +80°C |
| torsion: | +/- 25°/m |
| core identification: | colours acc. VDE 0293 (HD308) |
| nominal voltage U₀: | 0,6 kV |
| nominal voltage U: | 1 kV |
| test voltage: | 3 kV |
| protective conductor: | 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 | < 8mm | 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 |

| KENEX PART NUMBER | NUMBER CORES X CROSS SECTION MM ² | OUTER DIAMETER APPROX. MM | COPPER WEIGHT KG/KM | CABLE WEIGHT KG/KM |
|-------------------------|--|---------------------------------|---------------------------|--------------------------|
| 29030015 | NSHTÖU-J 3 x 1,5 | 14 | 47 | 213 |
| 29030025 | NSHTÖU-J 3 x 2,5 | 15 | 72 | 300 |
| 29040015 | NSHTÖU-J 4 x 1,5 | 14 | 58 | 275 |
| 29040025 | NSHTÖU-J 4 x 2,5 | 17 | 96 | 415 |
| 29040040 | NSHTÖU-J 4 x 4 | 19 | 154 | 530 |
| 29040060 | NSHTÖU-J 4 x 6 | 20 | 230,4 | 684 |
| 29040100 | NSHTÖU-J 4 x 10 | 24 | 384 | 1017 |
| 29040160 | NSHTÖU-J 4 x 16 | 28 | 615 | 1370 |
| 29040250 | NSHTÖU-J 4 x 25 | 35 | 960 | 1985 |
| 29040350 | NSHTÖU-J 4 x 35 | 38 | 1344 | 2605 |
| 29040500 | NSHTÖU-J 4 x 50 | 44 | 1920 | 3593 |
| 29040700 | NSHTÖU-J 4 x 70 | 49 | 2688 | 4950 |
| 29040950 | NSHTÖU-J 4 x 95 | 55 | 3648 | 6490 |
| 29041200 | NSHTÖU-J 4 x 120 | 62 | 4608 | 8600 |
| 29041500 | NSHTÖU-J 4 x 150 | 68 | 5760 | 9090 |
| 29041850 | NSHTÖU-J 4 x 185 | 73 | 7104 | 9730 |
| 29050015 | NSHTÖU-J 5 x 1,5 | 15 | 72 | 317 |
| 29050025 | NSHTÖU-J 5 x 2,5 | 18 | 120 | 464 |
| 29050040 | NSHTÖU-J 5 x 4 | 20 | 192 | 630 |
| 29050060 | NSHTÖU-J 5 x 6 | 23 | 288 | 790 |
| 29050100 | NSHTÖU-J 5 x 10 | 26 | 480 | 1200 |
| 29050160 | NSHTÖU-J 5 x 16 | 30 | 768 | 1700 |
| 29070015 | NSHTÖU-J 7 x 1,5 | 19 | 101 | 414 |
| 29070025 | NSHTÖU-J 7 x 2,5 | 21 | 168 | 575 |
| 29120015 | NSHTÖU-J 12 x 1,5 | 25 | 173 | 607 |
| 29120025 | NSHTÖU-J 12 x 2,5 | 28 | 288 | 904 |
| 29180015 | NSHTÖU-J 18 x 1,5 | 25 | 260 | 743 |
| 29180025 | NSHTÖU-J 18 x 2,5 | 29 | 432 | 1230 |
| 29240015 | NSHTÖU-J 24 x 1,5 | 29 | 346 | 1024 |
| 29240025 | NSHTÖU-J 24 x 2,5 | 34 | 576 | 1583 |
| 29300015 | NSHTÖU-J 30 x 1,5 | 33 | 432 | 1327 |
| 29300025 | NSHTÖU-J 30 x 2,5 | 39 | 720 | 1841 |
| 29500025 | NSHTÖU-J 50 x 2,5 | 48 | 1200 | 3050 |