



conductor material: bare copper, stranded acc. DIN EN 60228 class 5
insulation: special rubber compound or 91Y
core identification: acc. to CENELEC HD308S2
screen: copper braid tinned; coverage ca. 85%
sheathing material: polyurethane *HFFR (FRNC)*
sheathing colour: grey, like RAL 7011 or RAL 7001

operating voltage: ≤ 1qmm: 300 V/ 500 V
 ≥ 1,5qmm: 600 V/ 1000 V
test voltage: ≤ 1qmm: 2000 V/ 50Hz
 ≥ 1,5qmm: 3500 V/ 50Hz
min. bending radius: flexibel 15 x D, fixed 7,5 x D
temperature range, moved: -30 up to +80°C
temperature range, fixed: -40 up to +90°C (up to 110°C for short periods)
insulation resistance: min. 20MΩ x km

application: The copper braiding of KENPUR® 500C Multicore has been specially development for the use in EMC-critical areas and also improves the mechanical resistance. General applications are: SF 6 switch gears, engine construction, machine tool building, machine shops, chemicals industry, special locomotive and wagon construction, tunnel drilling machinery.

resistance / features:

| | |
|--|---|
| - halogen free acc. to IEC 60754-1 | - UV-resistant |
| - no corrosive gases acc. to IEC 60754-2 | - ozone and oxygene resistant |
| - very robust | - microbe and rotting resistant |
| - good pressure and overrun resistance | - oil resistance acc. to DIN EN 60811-404 |
| - very good abrasion and wear resistance | - hydrolysis resistance acc. EN 50369 |
| - good cut, rabble and tear propagation resistance | - alcohol-free petrol and kerosine resistance |
| - weathering resistant | - flame retardent IEC 60332-1, DIN EN 60332-1-2 |

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.

| KENEX PART NUMBER | NUMBER CORES X CROSS SECTION MM ² | OUTER Ø APPROX. MM | COPPER WEIGHT KG/KM | CABLE WEIGHT KG/KM |
|-------------------------|--|--------------------------|---------------------------|--------------------------|
| 01002075 | KENPUR 500C Multicore 2 x 0,75 OZ | 7,2 | 38,50 | 68,0 |
| 01003075 | KENPUR 500C Multicore 3 x 0,75 JZ | 7,6 | 47,60 | 78,0 |
| 01004075 | KENPUR 500C Multicore 4 x 0,75 JZ | 8,5 | 57,80 | 100,0 |
| 01005075 | KENPUR 500C Multicore 5 x 0,75 JZ | 9,2 | 71,70 | 122,0 |
| 01007075 | KENPUR 500C Multicore 7 x 0,75 JZ | 10,1 | 79,30 | 139,0 |
| 01003100 | KENPUR 500C Multicore 3 x 1,00 JZ | 8,1 | 56,70 | 95,0 |
| 01004100 | KENPUR 500C Multicore 4 x 1,00 JZ | 8,9 | 69,50 | 118,0 |
| 01005100 | KENPUR 500C Multicore 5 x 1,00 JZ | 9,7 | 82,40 | 140,0 |
| 01003150 | KENPUR 500C Multicore 3 x 1,50 JZ | 9,7 | 79,20 | 132,0 |
| 01004150 | KENPUR 500C Multicore 4 x 1,50 JZ | 10,7 | 96,30 | 166,0 |
| 01005150 | KENPUR 500C Multicore 5 x 1,50 JZ | 11,7 | 114,50 | 198,0 |
| 01007150 | KENPUR 500C Multicore 7 x 1,50 JZ | 13,2 | 146,50 | 260,0 |
| 01012150 | KENPUR 500C Multicore 12 x 1,50 JZ | 17,7 | 256,80 | 439,0 |
| 01016150 | KENPUR 500C Multicore 16 x 1,50 JZ | 19,6 | 324,20 | 547,0 |
| 01021150 | KENPUR 500C Multicore 21 x 1,50 JZ | 22,2 | 405,60 | 726,0 |
| 01003250 | KENPUR 500C Multicore 3 x 2,50 JZ | 11,4 | 116,60 | 190,0 |
| 01004250 | KENPUR 500C Multicore 4 x 2,50 JZ | 12,6 | 164,40 | 240,0 |
| 01005250 | KENPUR 500C Multicore 5 x 2,50 JZ | 14,3 | 191,50 | 310,0 |
| 01007250 | KENPUR 500C Multicore 7 x 2,50 JZ | 15,7 | 247,10 | 392,0 |
| 01004400 | KENPUR 500C Multicore 4 x 4,00 JB | 15,0 | 227,90 | 350,0 |
| 01005400 | KENPUR 500C Multicore 5 x 4,00 JB | 16,5 | 277,50 | 426,0 |
| 01007400 | KENPUR 500C Multicore 7 x 4,00 JZ | 1,3 | 361,70 | 553,0 |
| 01004600 | KENPUR 500C Multicore 4 x 6,00 JB | 17,3 | 316,70 | 470,0 |
| 01005600 | KENPUR 500C Multicore 5 x 6,00 JB | 19,1 | 386,30 | 579,0 |
| 01007600 | KENPUR 500C Multicore 7 x 6,00 JZ | 21,3 | 538,20 | 779,0 |
| 01041000 | KENPUR 500C Multicore 4 x 10 JB | 22,5 | 530,70 | 800,0 |
| 01051000 | KENPUR 500C Multicore 5 x 10 JB | 24,8 | 644,20 | 971,0 |
| 01071000 | KENPUR 500C Multicore 7 x 10 JZ | 27,2 | 854,90 | 1247,0 |
| 01041600 | KENPUR 500C Multicore 4 x 16 JB | 25,7 | 781,10 | 1110,0 |
| 01051600 | KENPUR 500C Multicore 5 x 16 JB | 28,4 | 953,70 | 1357,0 |
| 01042500 | KENPUR 500C Multicore 4 x 25 JB | 30,7 | 1139,50 | 1580,0 |
| 01052500 | KENPUR 500C Multicore 5 x 25 JB | 34,2 | 1443,30 | 1989,0 |
| 01043500 | KENPUR 500C Multicore 4 x 35 JB | 35,0 | 1610,40 | 2122,0 |
| 01045000 | KENPUR 500C Multicore 4 x 50 JB | 40,7 | 2212,80 | 2900,0 |
| 01055000 | KENPUR 500C Multicore 5 x50 JB | 45,0 | 2733,40 | 3629,0 |
| 01049500 | KENPUR 500C Multicore 4 x 95 JB | 49,0 | 4282,00 | 5470,0 |
| 01041200 | KENPUR 500C Multicore 4 x 120 JB | 55,0 | 5364,00 | 6980,0 |