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|----------------------------|--|
| <b>conductor material:</b> | stranded bare Cu conductor, fine wire  |
| <b>strand structure:</b>   | strand structure to VDE 0295, class 5/ IEC 60228 class 5   |
| <b>insulation:</b>         | polyethylene (PE)  |
| <b>cores:</b>              | black, brown, grey and green-yellow protective conductor;<br>cores twisted in layers, with optimal lay lengths |
| <b>screening:</b>          | aluminium foil screening, 100% and<br>tinned copper braided screening  |
| <b>outer sheath:</b>       | special PVC, flame retardant   |
| <b>sheath colour:</b>      | black  |

|                                |   |
|--------------------------------|---|
| <b>rated voltage Uo/U:</b>     | 600/1000 V  |
| <b>AC test voltage:</b>        | 2500 V  |
| <b>AC crest voltage:</b>       | $\hat{U}$ 1700V   |
| <b>low mutual capacitance:</b> | test to DIN VDE 0472 part 504, test method B  |
| <b>temperature range:</b>      | -5 to +70°C flexible<br>-25 to +70°C during installation<br>-40 to +70°C stationary |
| <b>flame retardant:</b>        | to IEC 60332-1  |

**application:** EMC motor power supply cable with overall foil and copper screening used for the connection of a frequency converter with a frequency converter controlled motor. Employed in connection with machine tools, handling gear, machining and processing equipment, assembly and production lines, etc. when exposed to mean mechanical strain. Stationary installation and occasional free movement without exposure to tensile load and without forced movement control. Installation in dry, damp and wet environments. Outdoor installation also permitted.

**Bending radius for the following outer cable diameters**

| installation | < 12 mm        | 12-20 mm        | over 20 mm     |
|--------------|----------------|-----------------|----------------|
| flexible     | approx. 10 x D | approx. 15 x D  | approx. 20 x D |
| stationary   | approx. 5 x D  | approx. 7,5 x D | approx. 10 x D |

*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<br>PART<br>NUMBER | NUMBER CORES<br>X<br>CROSS SECTION MM <sup>2</sup> | current<br>carrying<br>capacity A | OUTER Ø<br>APPROX.<br>MM | COPPER<br>WEIGHT<br>KG/KM | CABLE<br>WEIGHT<br>KG/KM |
|-------------------------|--|-----------------------------------|--------------------------|---------------------------|--------------------------|
| 1804150K                | 2YSLCYK-JB 4 x 1,5                                 | 18                                | 10,6                     | 95                        | 212                      |
| 1804250K                | 2YSLCYK-JB 4 x 2,5                                 | 26                                | 12,3                     | 150                       | 270                      |
| 1804400K                | 2YSLCYK-JB 4 x 4,0                                 | 34                                | 14,6                     | 235                       | 362                      |
| 1804600K                | 2YSLCYK-JB 4 x 6,0                                 | 44                                | 16,5                     | 320                       | 582                      |
| 1841000K                | 2YSLCYK-JB 4 x 10                                  | 61                                | 20,0                     | 533                       | 794                      |
| 1841600K                | 2YSLCYK-JB 4 x 16                                  | 82                                | 23,5                     | 789                       | 1188                     |
| 1842500K                | 2YSLCYK-JB 4 x 25                                  | 108                               | 27,0                     | 1236                      | 1713                     |
| 1843500K                | 2YSLCYK-JB 4 x 35                                  | 135                               | 33,0                     | 1662                      | 2402                     |
| 1845000K                | 2YSLCYK-JB 4 x 50                                  | 168                               | 36,5                     | 2345                      | 2718                     |
| 1847000K                | 2YSLCYK-JB 4 x 70                                  | 207                               | 42,5                     | 3196                      | 3636                     |
| 1849500K                | 2YSLCYK-JB 4 x 95                                  | 250                               | 48,0                     | 4316                      | 4700                     |
| 1841200K                | 2YSLCYK-JB 4 x 120                                 | 292                               | 52,0                     | 5428                      | 5699                     |
| 1841500K                | 2YSLCYK-JB 4 x 150                                 | 335                               | 58,0                     | 6394                      | 7043                     |
| 1841850K                | 2YSLCYK-JB 4 x 185                                 | 385                               | 62,0                     | 7639                      | 8384                     |
| 1842400K                | 2YSLCYK-JB 4 x 240                                 | 453                               | 70,0                     | 11059                     | 12165                    |
| 1843000K                | 2YSLCYK-JB 4 x 300                                 | 523                               | 78,0                     | 13485                     | 15508                    |