

EMC connecting cable for drives 2XSL(St)CHv DB



Application: Halogen-free and flame-retardant cable connecting motors to inverse rectifiers under consideration of EMC-requirements. It may be used under medium mechanical stress for fixed installations and temporary movement. Suitable for indoor and outdoor installation as well as for direct ground burial.

Construction and technical data:

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|--|--|
| CPR-classification according to EN 50575: | Dca |
| Conductor material: | copper, bare |
| Conductor construction: | Class 5 = flexible |
| Insulation: | XLPE |
| Screen: | aluminium foil + tinned copper braid |
| Screen coverage: | 75 % |
| Sheathing material: | FRNC-compound ST8 |
| Colour of outer sheath: | black |
| Flame-retardant: | VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C) |
| Smoke density: | DIN EN 61034/IEC 61034 |
| Halogen-free: | DIN EN 50267/IEC 60754 |
| UV-resistant: | yes |
| Ozone-resistant: | yes |
| Max. temperature at conductor, °C: | 90 °C |
| Permitted outer cable temperature, fixed, °C: | -40 - +90 °C |
| Permitted outer cable temperature, moved, °C: | -5 - +90 °C |



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.

Bending radius acc. DIN EN 50565-1

| application | <12 mm | 12-20 mm | >20 mm |
|--------------------|--------|----------|--------|
| fixed installation | 5D | 7.5D | 10D |
| free movement | 10D | 15D | 20D |

| | |
|---------------------------------------|----------------------------------|
| Nominal voltage U_o: | 0.6 kV |
| Nominal voltage U: | 1 kV |
| Test voltage: | 2.5 kV |
| Protective conductor: | yes |
| Core identification: | colours acc. to VDE 0293 (HD308) |

| part no. | part name | RI [Ohm/km] | I _{bl} [A] | I _{be} [A] | Ø [mm] | Cu | G [kg] |
|----------|-----------|-------------|---------------------|---------------------|--------|-------|--------|
| 036952 | 04X1.5 | 13.3 | 23 | 31 | 11.7 | 95 | 208 |
| 036953 | 04X2.5 | 7.98 | 32 | 40 | 12.9 | 150 | 263 |
| 036969 | 04X4 | 4.95 | 42 | 52 | 14 | 235 | 335 |
| 037101 | 04X6 | 3.3 | 54 | 86 | 15.4 | 320 | 429 |
| 036970 | 04X10 | 1.91 | 74 | 86 | 17.8 | 533 | 628 |
| 037102 | 04X16 | 1.21 | 98 | 112 | 20.6 | 892 | 628 |
| 036948 | 04X25 | 0.78 | 127 | 145 | 24.7 | 1236 | 1294 |
| 036949 | 04X35 | 0.554 | 158 | 174 | 27.2 | 1663 | 1711 |
| 036950 | 04X50 | 0.386 | 192 | 206 | 32.2 | 2345 | 2411 |
| 036951 | 04X70 | 0.272 | 246 | 254 | 37.2 | 3196 | 3274 |
| 036818 | 04X95 | 0.206 | 298 | 305 | 42.7 | 4316 | 4700 |
| 036819 | 04X120 | 0.161 | 346 | 348 | 45.9 | 5435 | 5699 |
| 036820 | 04X150 | 0.129 | 399 | 392 | 51.8 | 6394 | 6533 |
| 036821 | 04X185 | 0.106 | 456 | 442 | 58.3 | 8203 | 8384 |
| 036822 | 04X240 | 0.0801 | 538 | 509 | 68.2 | 11008 | 11292 |

| | |
|-----------------|----------------------------|
| RI | Conductor resistance |
| I _{bl} | Ampacity in air (30 °C) |
| I _{be} | Ampacity in ground (20 °C) |
| Ø | outer diameter approx. |
| Cu | Copper weight (GER) |
| G | net weight per 1000 |