



X07V-K with twin colour helix insulation



Info

- Twin-colour spiralized PVC

Application range

- Laying in tubes, exposed or buried in plaster, and in closed installation ducts
- For direct laying on racks, troughs and tubes only as potential equalisation conductor

Product features

- Flame-retardant according IEC 60332-1-2
- Spool: d1 = 18 mm; d2 = 200 mm; b = 85 mm

Norm references / Approvals

- Based on EN 50525-2-31

Product Make-up

- Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228
- Core insulation: Based on PVC
- Labelled with coloured stripes

Technical data

Classification
ETIM 5.0 Class-ID: EC000993
ETIM 5.0 Class-Description: Single core cable

Conductor stranding
Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5

Minimum bending radius
4 x outer diameter if used as defined for H07V-K; 2 x outer diameter for short-term bending

Nominal voltage
U₀/U: 450/750 V

Test voltage
2500 V

Current rating
VDE 0298 Part 4
EN 50565-1/ VDE 0298-565-1

Temperature range
Fixed installation: -40°C to +80°C
Moved: +5°C to +70°C

| Conductor cross-section (mm ²) | Outer diameter (mm) | m/spool | Copper index (kg/km) | Weight (kg/km) | blue/white | Dark blue/white | black/red | black/white | blue/black | blue / red | brown/white |
|--|---------------------|---------|----------------------|----------------|------------|-----------------|-----------|-------------|------------|------------|-------------|
| 1.5 | 2.8 - 3.4 | 150 | 14.4 | 22 | 4522261S | 4522921S | 4522211S | 4522221S | 4522231S | 4522251S | 4522291S |
| 2.5 | 3,4 - 4,1 | 100 | 24 | 37 | 4522262S | 4522922S | | 4522222S | | 4522252S | 4522292S |

| Conductor cross-section (mm ²) | Outer diameter (mm) | m/spool | Copper index (kg/km) | Weight (kg/km) | yellow-red | yellow-white | violet-white | orange-black | orange-white | red-black | red-white |
|--|---------------------|---------|----------------------|----------------|------------|--------------|--------------|--------------|--------------|-----------|-----------|
| 1.5 | 2.8 - 3.4 | 150 | 14.4 | 22 | 4522311S | 4522321S | 4522371S | 4522381S | 4522391S | 4522401S | 4522421S |
| 2.5 | 3,4 - 4,1 | 100 | 24 | 37 | | | | | 4522392S | | 4522422S |

| Conductor cross-section (mm ²) | Outer diameter (mm) | m/spool | Copper index (kg/km) | Weight (kg/km) | white-blue | white-red |
|--|---------------------|---------|----------------------|----------------|------------|-----------|
| 1.5 | 2.8 - 3.4 | 150 | 14.4 | 22 | 4522441S | 4522461S |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.
Photographs are not to scale and do not represent detailed images of the respective products.
The outer diameters stated in the part number table are maximum values.

Similar products

- X05V-K with twin colour helix insulation refer to page 205

Accessories

- DIN-assorted boxes conductor end sleeves refer to page 1011
- EASY STRIP stripping and cutting tool refer to page 1004
- PEW 8.87 crimping pliers refer to page 1016