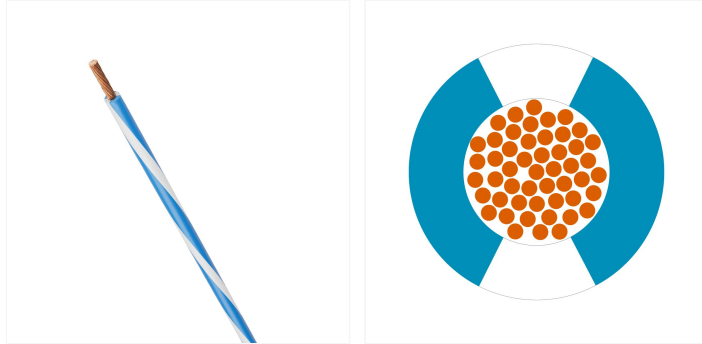


X07V-K 2CHELIX 1X1,5 WHBU**Article No.:** 4522441SSingle conductor; 1X1.5; white/blue; Spool; U_0/U : 450/750 V; PVC; Fixed Installation**Details****Benefits**

- The two-color spiral allows the cable to be identified quickly in tight spaces.
- Compact design for easy processing.
- Versatile use in various applications and environments.
- Different conductor insulation colors available.
- Classified fire behavior according to EU Directive 305/2011 (BauPVO/CPR) with article number selection on the LAPP website.

Application

- For wiring circuits inside machines.
- Suitable for wiring inside control cabinets.
- For wiring lighting.
- For fixed and protected installation.
- Can be used for open installation on cable trays for equipotential bonding.
- Use at temperatures up to 40°C possible.

Notes

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Trade product, not a LAPP product.

Remarks

Trade product, not a LAPP product.

Technical Data

General information

| | |
|----------------------------|------------------|
| Product type | Single conductor |
| Copper index | 96.8 lb/10000 ft |
| Single core packaging type | Spool |
| Length per PU | 492.126 ft |

Electrical parameters

| | |
|-----------------------------|---|
| Nominal voltage | U_0/U : 450/750 V AC rms according to IEC |
| test voltage | 2.5 kV |
| Current rating according to | VDE 0298-4 |

Product design

| | |
|--|------------------------------|
| Cable dimension | 1X1.5 |
| Nominal cross section conductor (mm ²) | 1.5 mm ² |
| Conductor material | Bare Copper |
| Conductor design | IEC 60228 class 5: fine-wire |
| Number of cores | 1 |
| Min. outer diameter | 0.11 in |
| Max. outer diameter | 0.134 in |
| Cable form | Round |
| Core insulation base material | Polyvinylchloride |

| | |
|---|--------------------|
| Conductor insulation basic material, short form | PVC |
| Single core color | white/blue |
| Single conductor identification | Helix, two-colored |

Product features

| | |
|--|--|
| Application area | Fixed Installation |
| Minimum bending radius, stationary | 4 x outer diameter |
| Minimum bending radius in inch, fixed installation | 0.535 in |
| Minimum bending radius with careful bending | 2 x outer diameter |
| Temperature, fixed installation | -40 °C to 70 °C max. conductor temperature |
| Installation temperature min. | 5 °C |
| Max. assembly temperature | 70 °C |
| Storage temperature max. | 5 °C |
| Storage temperature maximum | 40 °C |
| Flame-retardant | Yes |
| Flame retardance according to | IEC 60332-1-2 |
| UV-resistant | No |
| weather resistant | No |
| Ozone-resistant | No |
| Halogenfree | No |
| Oil resistant | No |
| PWIS-free | No |

Certifications and standards

| | |
|--------------------------|--|
| CE marking | Yes |
| EAC certified | Yes |
| EAC certification number | EAЭC RU C-DE.AЮ64.B.00091/19, EAЭC RU C-DE.AЮ64.B.00110/20 |
| VDE certified | No |
| HAR-certified | No |

| | |
|---|-----|
| CPR fire class | Eca |
| Resistance to flame propagation tested according to UN/ECE-R118 | No |

X07V-K with twin colour helix insulation

| Article No. | Name | Nominal cross section conductor (mm ²) | Single core color | Single core packaging type | Length per PU | Min. outer diameter | Max. outer diameter | Copper index |
|-------------|---------------------------|--|-------------------|----------------------------|---------------|---------------------|---------------------|--------------------|
| 4522211S | X07V-K 2CHELIX 1X1,5 BKRD | 1.5 mm ² | black/red | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522221S | X07V-K 2CHELIX 1X1,5 BKWH | 1.5 mm ² | black/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522222S | X07V-K 2CHELIX 1X2,5 BKWH | 2.5 mm ² | black/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |
| 4522231S | X07V-K 2CHELIX 1X1,5 BUBK | 1.5 mm ² | blue/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522251S | X07V-K 2CHELIX 1X1,5 BURD | 1.5 mm ² | blue/red | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522252S | X07V-K 2CHELIX 1X2,5 BURD | 2.5 mm ² | blue/red | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |
| 4522261S | X07V-K 2CHELIX 1X1,5 BUWH | 1.5 mm ² | blue/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.75 lb/10000 ft |
| 4522262S | X07V-K 2CHELIX 1X2,5 BUWH | 2.5 mm ² | blue/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.28 lb/10000 ft |
| 4522291S | X07V-K 2CHELIX 1X1,5 BNWH | 1.5 mm ² | brown/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522292S | X07V-K 2CHELIX 1X2,5 BNWH | 2.5 mm ² | brown/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |
| 4522301S | X07V-K 2CHELIX 1X1,5 YEBK | 1.5 mm ² | yellow/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522311S | X07V-K 2CHELIX 1X1,5 YERD | 1.5 mm ² | yellow/red | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522321S | X07V-K 2CHELIX 1X1,5 YEWH | 1.5 mm ² | yellow/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.8 lb/10000 ft |
| 4522331S | X07V-K 2CHELIX 1X1,5 GNBK | 1.5 mm ² | green/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522341S | X07V-K 2CHELIX 1X1,5 GNWH | 1.5 mm ² | green/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522371S | X07V-K 2CHELIX 1X1,5 VTWH | 1.5 mm ² | violet/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522372S | X07V-K 2CHELIX 1X2,5 VTWH | 2.5 mm ² | violet/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |
| 4522381S | X07V-K 2CHELIX 1X1,5 OGBK | 1.5 mm ² | orange/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522391S | X07V-K 2CHELIX 1X1,5 OGWH | 1.5 mm ² | orange/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.8 lb/10000 ft |
| 4522392S | X07V-K 2CHELIX 1X2,5 OGWH | 2.5 mm ² | orange/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.3 lb/10000 ft |
| 4522401S | X07V-K 2CHELIX 1X1,5 RDBK | 1.5 mm ² | red/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522411S | X07V-K 2CHELIX 1X1,5 RDYE | 1.5 mm ² | red/yellow | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522421S | X07V-K 2CHELIX 1X1,5 RDWH | 1.5 mm ² | red/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522422S | X07V-K 2CHELIX 1X2,5 RDWH | 2.5 mm ² | red/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.28 lb/10000 ft |

| Article No. | Name | Nominal cross section conductor (mm ²) | Single core color | Single core packaging type | Length per PU | Min. outer diameter | Max. outer diameter | Copper index |
|-------------|----------------------------|--|-------------------|----------------------------|---------------|---------------------|---------------------|--------------------|
| 4522441S | X07V-K 2CHELIX 1X1,5 WHBU | 1.5 mm ² | white/blue | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.8 lb/10000 ft |
| 4522442S | X07V-K 2CHELIX 1X2,5 WHBU | 2.5 mm ² | white/blue | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.28 lb/10000 ft |
| 4522461S | X07V-K 2CHELIX 1X1,5 WHRD | 1.5 mm ² | white/red | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522471S | X07V-K 2CHELIX 1X1,5 GYBK | 1.5 mm ² | gray/black | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.76 lb/10000 ft |
| 4522472S | X07V-K 2CHELIX 1X2,5 GYBK | 2.5 mm ² | gray/black | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |
| 4522921S | X07V-K 2CHELIX 1X1,5 DBUWH | 1.5 mm ² | dark blue/white | Spool | 492.126 ft | 0.11 in | 0.134 in | 96.75 lb/10000 ft |
| 4522922S | X07V-K 2CHELIX 1X2,5 DBUWH | 2.5 mm ² | dark blue/white | Spool | 328.084 ft | 0.134 in | 0.161 in | 161.27 lb/10000 ft |

V1.1