



VV-K

Application and Description

These cables are suitable for fixed installations with complex layouts where flexible cables are required. They are also used for connecting motors or frequency converters. The characteristics of the outer sheath material make this cable extremely versatile as it provides a high level of protection in all types of environments, outdoors, underground, in damp conditions or even submerged in water.

Standard and Approval

UNE 21123, HD 308 S2, IEC 60502, IEC 60228, IEEE 383, UNE-EN 50265-2-1, NF C 32-321, CE approved, ROHS compliant

Cable Construction

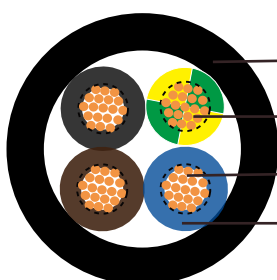
- Fine bare copper strands
- Strands to IEC 60228 class 5
- PVC/A core insulation to IEC 60502
- Color codes to HD-308
- High flexible special acrylic PVC compound ST1 outer jacket

Technical Characteristics

- Working Voltage: 600/1000 volts
- Test voltage: 2000 volts
- Minimum bending radius: 5 x Ø
- Operation temperature range: -15 °C to +70 °C
- Short-circuit temperature: +160 °C
- Flame retardant: EN 50265-2-1
- Insulation resistance: 20 MΩ x km



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- High flexible acrylic PVC outer jacket
- Green/Yellow wire
- Fine bare copper conductor
- PVC insulation



Cable Parameter

| AWG | No. of Cores x Nominal Cross Sectional Area # x mm² | Nominal Overall Diameter mm | Nominal Weight kg/km |
|-----------------|---|--|---------------------------------|
| 8(320/32) | 1 x 10 | 8.8 | 151 |
| 6(512/32) | 1 x 16 | 9.8 | 208 |
| 4(800/32) | 1 x 25 | 11.5 | 305 |
| 2(1120/32) | 1 x 35 | 12.7 | 401 |
| 1(1600/32) | 1 x 50 | 14.6 | 557 |
| 2/0(2240/32) | 1 x 70 | 16.3 | 749 |
| 3/0(3024/32) | 1 x 95 | 18.6 | 970 |
| 4/0(614/24) | 1 x 120 | 20.5 | 1221 |
| 300MCM(765/24) | 1 x 150 | 22.7 | 1527 |
| 350MCM(944/24) | 1 x 185 | 25.1 | 1847 |
| 500MCM(1225/24) | 1 x 240 | 28.3 | 2416 |
| 16(30/30) | 6 x 1.5 | 12.1 | 211 |
| 14(50/30) | 6 x 2.5 | 14.1 | 300 |
| 16(30/30) | 7 x 1.5 | 12.1 | 226 |
| 14(50/30) | 7 x 2.5 | 14.1 | 324 |
| 12(56/28) | 7 x 4.0 | 15.7 | 441 |
| 10(84/28) | 7 x 6.0 | 17.4 | 588 |
| 16(30/30) | 8 x 1.5 | 13.1 | 255 |
| 14(50/30) | 8 x 2.5 | 15.1 | 364 |
| 16(30/30) | 10 x 1.5 | 14.1 | 301 |
| 14(50/30) | 10 x 2.5 | 16.5 | 437 |
| 16(30/30) | 12 x 1.5 | 15.0 | 347 |
| 14(50/30) | 12 x 2.5 | 18.0 | 511 |
| 16(30/30) | 14 x 1.5 | 15.9 | 392 |
| 14(50/30) | 14 x 2.5 | 19.1 | 580 |
| 16(30/30) | 16 x 1.5 | 16.9 | 443 |
| 14(50/30) | 16 x 2.5 | 20.1 | 656 |
| 16(30/30) | 19 x 1.5 | 17.6 | 502 |
| 14(50/30) | 19 x 2.5 | 21.1 | 747 |
| 16(30/30) | 24 x 1.5 | 19.6 | 609 |
| 14(50/30) | 24 x 2.5 | 23.4 | 907 |
| 16(30/30) | 27 x 1.5 | 20.8 | 668 |
| 16(30/30) | 30 x 1.5 | 21.5 | 721 |
| 16(30/30) | 37 x 1.5 | 23.1 | 867 |
| 16(30/30) | 44 x 1.5 | 25.4 | 1027 |
| 16(30/30) | 52 x 1.5 | 27.3 | 1195 |
| 16(30/30) | 61 x 1.5 | 29.1 | 1392 |