

Low Voltage Joints

ALVJ



Description

ALVJ – are low voltage heatshrink joints designed for both standard and submersible cables. The hot melt adhesive forms an excellent water seal. The outer sleeve is UV resistant and has excellent mechanical properties.

Features

- Shrink Ratio minimum 3 : 1
- Operating temperature *insulation/sheaths - 55 to *135/110°C
- Excellent impact and abrasion resistance
- Excellent environmental crack and UV resistance
- Hot melt ensures an excellent water seal
- High electrical insulation properties
- Colour - Black
- Minimum Shrink Temperature 120°C

Applications

- Rating 600/1000 V
- Easy and quick installation
- Normal and submersible joints

Technical Data

| Properties | Test Methods | Typical Values |
|--|-----------------------------|-------------------------|
| Tensile (MPa) | UL 224 | > 14 |
| Elongation (%) | UL 224 | > 400 |
| Heat Ageing : Tensile : Elongation | UL 224 (150°C x 168 hrs) | > 10 Mpa > 300 % |
| Water Absorption | ISO 62 | < 0.15 % |
| Eccentricity | UL 224 | < 30 % |
| Copper Stability | ASTM D 2671 | Pass |
| ESCR (environmental stress crack resistance) | ASTM D 1693 (50°C) | No cracking |
| Dielectric Strength | ASTM D 2671 | > 20 KV/mm |
| Volume Resistivity | ASTM D 257 | 10 ¹⁴ ohm.cm |

Dimensions

| Product | 3 and 4 core 600/1000 V cable | |
|--------------|-------------------------------|-----------------------|
| | from (mm ²) | to (mm ²) |
| ALVJ 1.5/4 | 1.5 | 4 |
| ALVJ 6/16 | 6 | 16 |
| ALVJ 25/50 | 25 | 50 |
| ALVJ 70/150 | 70 | 150 |
| ALVJ 185/300 | 185 | 300 |

* insulation properties
Eccentricity < 30 % as per UL 224
Tolerances on size id's and wall thickness allow 10 % on above values

 **AIRSHRINK**
a new dimension

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