

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 3 : 1
- Operating temperature - 55° to 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
- **ALVSJ - Submersible**
- **ALVJB - Budget (no roll springs and braid)**

Technical Data

Properties	Test Methods	Typical Values
Tensile (MPa)	UL 224	> 14
Elongation (%)	UL 224	> 400
Heat Ageing : Tensile (MPa) : Elongation (%)	UL 224 (150° C x 168 hrs)	> 10 > 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 (kV/mm)	ASTM D 2671	> 20
Volume Resistivity (Ω/cm)	ASTM D 257	10 ¹⁴

Applications

- Voltage Range - 600/1000V
- Easy and quick installation
- Normal and submersible joints
- Suitable for 2 to 4 core PVC SWA cables

Dimensions

Product	2 to 4 core 600/1000 V cable	
	from (mm ²)	to (mm ²)
ALVJ1.5/4	1.5	4
ALVJ6/16	6	16
ALVJ16/25	16	25
ALVJ25/50	25	50
ALVJ50/95	50	95
ALVJ70/150	70	150
ALVJ120/185	120	185
ALVJ185/300	185	300

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

