

LOW VOLTAGE HEAT SHRINK JOINTS

ALVJ



ALVJ are low voltage heat shrink joints designed for both standard and submersible cables. The hot melt adhesive combined with the use of ABFM black mastic forms an excellent water seal. The outer sleeve is UV resistant and has excellent mechanical properties.

DIMENSIONS

Product	Cable Size: 2 to 4 core 600 / 1000 V	
	Min (mm ²)	Max (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

ALVJ...TS is available to accommodate torque shear connectors.
(Connectors not included)

ALVJ...TS OPTIONAL EXTRA



KEY FEATURES

- **Shrink Ratio 3 : 1**
- **Operating temperature -55 °C to 110 °C**
- **Minimum full recovery temperature 120 °C**
- **Exceptional impact and abrasion resistance**
- **Excellent environmental crack and UV resistance**
- **Hot melt ensures an excellent water seal**
- **High electrical insulation properties**
- **Colour: Black**
- **ALVJS: Submersible**
- **ALVJB: Budget (no roll springs and braid)**
- **ALVJ...TS: Torque shear connector compatible**

APPLICATION

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



TECHNICAL DATA

Properties	Test Methods	Typical Values
Tensile (MPa)	ASTM D 2671	> 14
Elongation (%)	ASTM D 2671	> 400
Heat ageing: Tensile (MPa) : Elongation (%)	ASTM D 2671 (150 °C x 168 hrs)	> 10 > 300
Water absorption (%)	ISO 62 (23 °C, 14 days)	< 0.15
Eccentricity (%)	ASTM D 2671	< 40
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 / IEC93	10 ¹⁴
Density (g/cm ³)	ASTM D 792	1.05
Longitudinal shrink (%)	UL224	≤10
Adhesive Lining		
Water absorption (%)	ISO 62	< 0.2
Softening point (°C)	ASTM E28	85 ± 5
Peel strength (N/cm)	DIN 30672	4
Resistance to fungus and decay	ISO 846	Pass

