LOW VOLTAGE POLYURETHANE RESIN JOINTS

ARJP

KEY FEATURES

- *Amber polyurethane resin*
- *600 / 1000 V, 1.5 mm² – 300 mm², 2 – 4 core cables*
- *Two-year shelf life*
- *Quick-setting in humid and cold conditions, with excellent insulation and water-blocking*
- *Low-viscosity resin in transparent shatterproof polypropylene/ polycarbonate shells with easy-mix twin-pack*
- *Exothermic temperature of 54 °C*

ARJP low-voltage resin straight-through joint and splicing kits are engineered for connecting 2–4 core PVC and XLPE cables. The two-component polyurethane (PU) resin fully solidifies, providing superior insulation and water-blocking performance.

Tested to BS EN50393:2015 test sequence for joints for solid extruded dielectric insulated cables and for transition joints between solid extruded dielectric insulated cables and impregnated paper insulated cables.

DIMENSIONS

Product	Min. Cable OD	Max. Cable OD	Mould Length	Cable Size
	(mm)	(mm)	(mm)	(mm^2)
ARJEP0	6	20	185	1.5 - 4
ARJP1	9	30	240	4 - 10
ARJP2	17	34	270	10 - 16
ARJP2.5	22	42	310	16 - 35
ARJP3	28	52	400	35 - 50
ARJP3.5	32	56	435	50 - 95
ARJP4	38	65	580	70 - 150
ARJP5	48	80	660	150 -240

TECHNICAL DATA

TEST	SUB-CLAUSE	Samples Types of Joints	REQUIREMENTS
		II	
		A1/B1	
AC voltage withstand (in air)	8.3	X	No failure
Insulated resistance (in air)	8.4	X	Insulated resistance ≥50 MΩ
Impact at ambient temperature	8.5	X	No failure
Insulated resistance (immersed)	8.4	X	Insulated resistance ≥50 MΩ
Heating cycle in air	8.6	X	63 Cycles
Heating cycle in water [b]	8.6	X	9 Cycles
Insulated resistance [b] (immersed)	8.4	X	Insulated resistance ≥50 MΩ
Heating cycle in water	8.6	X	63 Cycles
AC voltage withstand (immersed)	8.3	X	No failure
Insulated resistance (immersed)	8.4	X	Insulated resistance ≥50 MΩ
Examination	8.8	X	To be recorded
Thermal short circuit (Earth fault) test		X	10 kA for 1 second - No failure

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