

Cast Resin Joints Type 01 CRJ



CAST RESIN LOW VOLTAGE XLPE FOUR CORE CABLE ACCESSORIES 06/1 kV

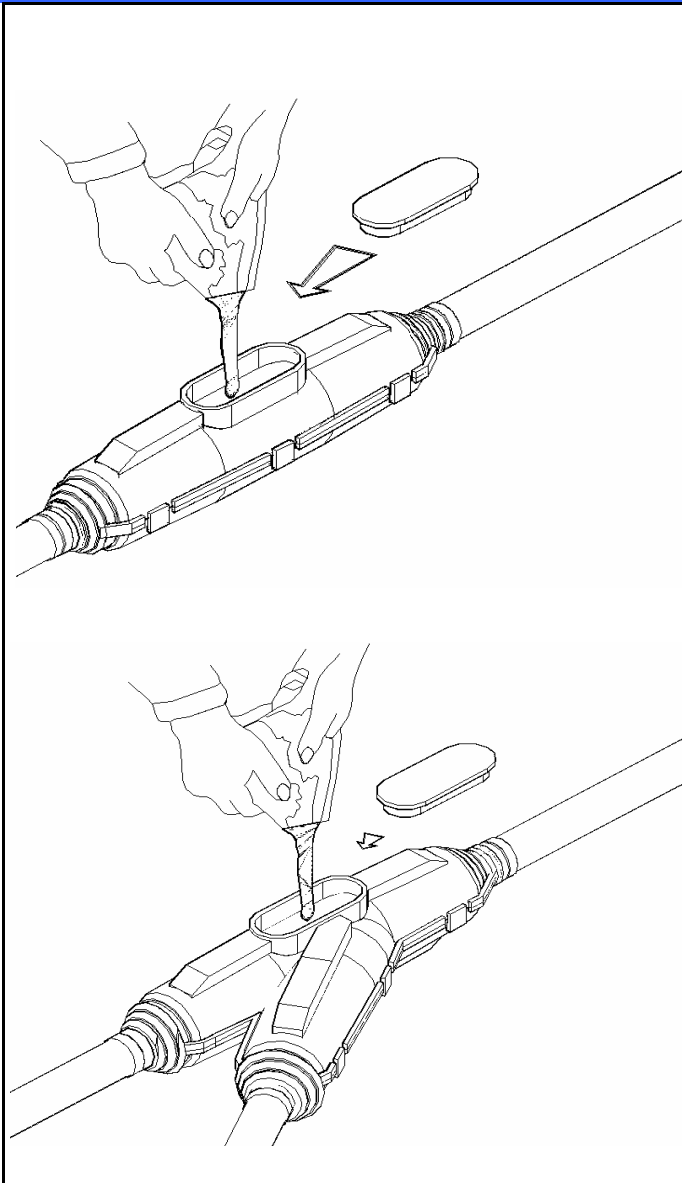
The new range of 01CRJ cast resin joints from MOSDORFER CCL provide a convenient and reliable solution for splicing and branching low voltage cables, in applications like street and leisure lighting, airfield lighting, utility / home connections.

The 01CRJ cable joints are made of a Polycarbonate shell filled with a Polyurethane resin, which provides a watertight connection that can be immediately operational.

They are available in two styles, for a complete range of cable sizes from 1.5 to 300 mm²:

- _ Straight: for splicing or repairing existing cables
- _ Branch: for tapping a new cable on an existing line

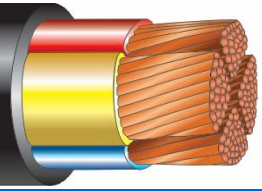
- Suitable for voltages up to 1KV
- Easy to use on the field: no heat source or power required
- Quick and easy to install, immediately operational
- Can be buried
- Watertight: protection against water ingress from the cable and from the shell
- Excellent electrical properties
- HD623 compliant
- Halogen free. RoHS compliant
- Exclusive shell design, with a unique "clip" system for easy assembly and watertight closing
- Transparent shell, for a better inspection before and during the casting
- High grade Polycarbonate: UV-resistant, impact resistant, flame retardant
- 2-component Polyurethane resin
- Reduced exothermic properties (generates little heat during the reaction of polymerisation), therefore suitable for all kinds of cables (power, phone, control)
- Duo-bag packaging: pre-filled bag for correct mix ratio and safe mixing (no contact with the components)



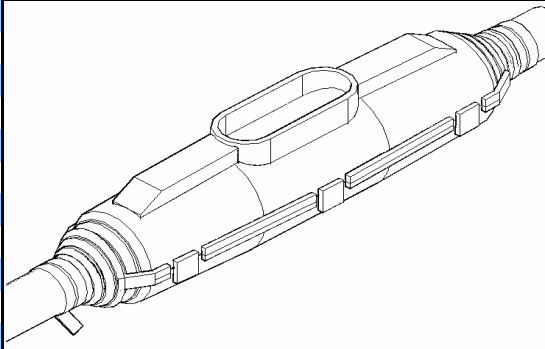
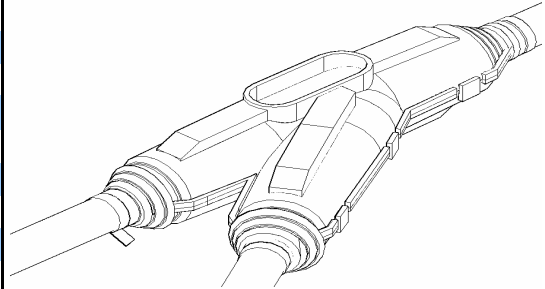
Each kit is supplied in a box containing:

- _ 1 Polycarbonate shell (upper and lower halves)
- _ the 2-component Polyurethane resin, in pre-filled duo-bag containing the correct volume to suit the size of cable joint
- _ a pair of a reel of tape, a strip of sand paper, an instruction sheet

0,6/1 1 KV



CAST RESIN LOW VOLTAGE XLPE FOUR CORE UNARMoured CABLE ACCESSORIES 06/1 kV

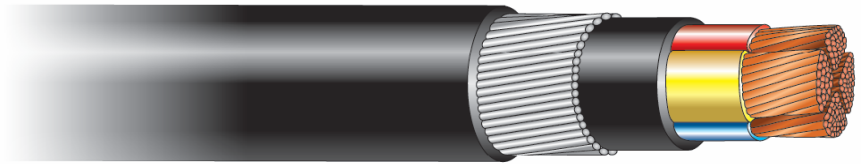
PRODUCT REF.	MAIN CABLE (mm ²)	BRANCH CABLE (mm ²)	CABLE Ø RANGE (mm)	CABLE REFERENCE Cu XLPE PVC
Straight Joints				
01CRJX4C10	4 x 1,5-10		8-26	
01CRJX4C25	4 x 10-25		16-32	
01CRJX4C50	4 x 35-50		21-38	
01CRJX4C120	4 x 50-70		26-41	
01CRJX4C240	4 x 95-150		35-56	
01CRJX4C400	4 x 185-300		47-74	
Branch Joints				
01CRBJX4C2-2	4x1,5-2,5	4x1,5	11-20	
01CRBJX4C4-4	4x4-10	4x4	6-21	
01CRBJX4C25-25	4x6-25	4x16	9-24	

TECHNICAL DATA

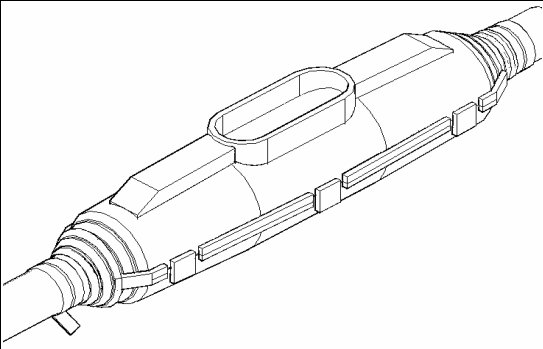
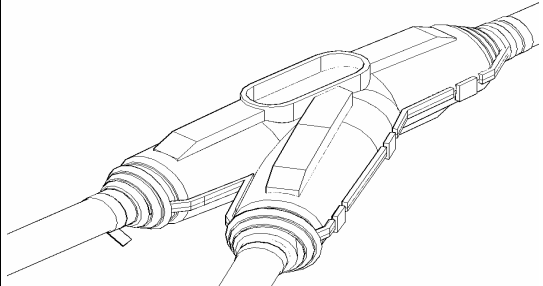
TYPE TEST ON JOINTS 0,6/1 Kv

TYPE TEST DETAILS	TEST REFERENCE	RESULTS	DETAILS	
	HD 623 S1		joints only	
Thermal stability	6.6.2	PASSED	8 kV	20 kV
Impulse at ambient temperature	6.6.3		1 min. at 4 Kv	
A.C. Voltage withstand (in air)	6.6.4		> 50 MΩ	
Insulation resistance (in air)	6.6.7			
Impact at low temperature	6.6.5		1 min. at 4 Kv	
Impact at ambient temperature	6.6.6			
A.C. Voltage withstand (immersed)	6.6.4		> 50 MΩ	
Insulation resistance (immersed)	6.6.7		no marks color	
Water penetration	6.6.9		visual inspection	
Examination	6.6.12		fuses operate	
Screen short circuit	6.6.10		> 50 MΩ	
Load cycling in air	6.6.8			
Load cycling crutch immersed	6.6.8		no breakdown	
A.C. voltage withstand crutch immersed	6.6.4			
Insulation resistance crutch immersed	6.6.7		> 50 MΩ	
Immersion test	6.6.11			

0,6/1 1 KV



CAST RESIN LOW VOLTAGE XLPE FOUR CORE ARMoured CABLE ACCESSORIES 06/1 KV









PRODUCT REF.	MAIN CABLE (mm ²)	BRANCH CABLE (mm ²)	CABLE Ø RANGE (mm)	CABLE REFERENCE Cu XLPE SWA PVC
Straight Joints				
01CRJX4C10SWA	4 x 1,5-10		8-26	
01CRJX4C25SWA	4 x 10-25		16-32	
01CRJX4C50SWA	4 x 35-50		21-38	
01CRJX4C120SWA	4 x 50-70		26-41	
01CRJX4C240SWA	4 x 95-150		35-56	
01CRJX4C400SWA	4 x 185-300		47-74	
Branch Joints				
01CRBJX4C2-2SWA	4x1,5-2,5	4x1,5	11-20	
01CRBJX4C4-4SWA	4x4-10	4x4	6-21	
01CRBJX4C25-25SWA	4x6-25	4x16	9-24	

TECHNICAL DATA

TYPE TEST ON JOINTS 0,6/1 Kv

TYPE TEST DETAILS	TEST REFERENCE	RESULTS	DETAILS	
	HD 623 S1		joints only	
Thermal stability	6.6.2	PASSED	8 kV	20 kV
Impulse at ambient temperature	6.6.3		1 min. at 4 Kv	
A.C. Voltage withstand (in air)	6.6.4		> 50 MΩ	
Insulation resistance (in air)	6.6.7			
Impact at low temperature	6.6.5		1 min. at 4 Kv	
Impact at ambient temperature	6.6.6			
A.C. Voltage withstand (immersed)	6.6.4		> 50 MΩ	
Insulation resistance (immersed)	6.6.7			
Water penetration	6.6.9		no marks color	
Examination	6.6.12		visual inspection	
Screen short circuit	6.6.10		fuses operate	
Load cycling in air	6.6.8		> 50 MΩ	
Load cycling crutch immersed	6.6.8			
A.C. voltage withstand crutch immersed	6.6.4		no breakdown	
Insulation resistance crutch immersed	6.6.7		> 50 MΩ	
Immersion test	6.6.11			

SELECTION INFORMATION

CABLE TYPE 600/1000 VOLTS	CAST RESIN JOINTS TYPE 01CRJ															
CONDUCTOR SIZE	1.5 mm ²	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²	25 mm ²	35 mm ²	50 mm ²	70 mm ²	95 mm ²	120 mm ²	150 mm ²	185 mm ²	240 mm ²	300 mm ²
 <p>1 CORE XLPE / PVC</p>	01CRJX4C10															
													01CRJX4C25			
EXT. Ø 6mm EXT. Ø 7mm EXT. Ø 8mm EXT. Ø 8mm EXT. Ø 9mm EXT. Ø 10mm EXT. Ø 12mm EXT. Ø 13mm EXT. Ø 15mm EXT. Ø 17mm EXT. Ø 19mm EXT. Ø 21mm EXT. Ø 23mm EXT. Ø 25mm EXT. Ø 28mm EXT. Ø 32mm																
 <p>1 CORE XLPE / AWA / PVC</p>	01CRJX4C10SWA															
											01CRJX4C25SWA				01CRJX4C50SWA	
EXT. Ø 15mm EXT. Ø 16mm EXT. Ø 17mm EXT. Ø 20mm EXT. Ø 22mm EXT. Ø 24mm EXT. Ø 26mm EXT. Ø 28mm EXT. Ø 31mm EXT. Ø 34mm EXT. Ø 37mm																
 <p>2 CORES XLPE / PVC</p>	01CRJX4C10															
	01CRJX4C25															
EXT. Ø 13mm EXT. Ø 14mm EXT. Ø 16mm EXT. Ø 17mm EXT. Ø 19mm EXT. Ø 20mm EXT. Ø 24mm EXT. Ø 26mm																
 <p>2 CORES XLPE / AWA / PVC</p>	01CRJX4C25SWA															
	EXT. Ø 23mm EXT. Ø 27mm EXT. Ø 29mm															
 <p>3 CORES XLPE / PVC</p>	01CRJX4C10						01CRJX4C120				01CRJX4C240				01CRJX4C400	
	01CRJX4C25															
EXT. Ø 13mm EXT. Ø 14mm EXT. Ø 16mm EXT. Ø 18mm EXT. Ø 19mm EXT. Ø 22mm EXT. Ø 25mm EXT. Ø 28mm EXT. Ø 31mm EXT. Ø 36mm EXT. Ø 41mm EXT. Ø 45mm EXT. Ø 49mm EXT. Ø 55mm EXT. Ø 62mm EXT. Ø 68mm																
 <p>3 CORES XLPE / SWA / PVC</p>	01CRJX4C10SWA						01CRJX4C120SWA				01CRJX4C240SWA				01CRJX4C400	
	01CRJX4C25SWA															
EXT. Ø 16mm EXT. Ø 18mm EXT. Ø 19mm EXT. Ø 20mm EXT. Ø 24mm EXT. Ø 28mm EXT. Ø 31mm EXT. Ø 35mm EXT. Ø 40mm EXT. Ø 45mm EXT. Ø 49mm EXT. Ø 55mm EXT. Ø 60mm EXT. Ø 67mm EXT. Ø 74mm																
 <p>4 CORES XLPE / PVC</p>	01CRJX4C10						01CRJX4C120				01CRJX4C240				01CRJX4C400	
	01CRJX4C25															
EXT. Ø 14mm EXT. Ø 15mm EXT. Ø 18mm EXT. Ø 19mm EXT. Ø 21mm EXT. Ø 24mm EXT. Ø 28mm EXT. Ø 28mm EXT. Ø 32mm EXT. Ø 36mm EXT. Ø 41mm EXT. Ø 45mm EXT. Ø 49mm EXT. Ø 55mm EXT. Ø 61mm EXT. Ø 67mm																
 <p>4 CORES XLPE / SWA / PVC</p>	01CRJX4C10SWA						01CRJX4C120SWA				01CRJX4C240SWA				01CRJX4C400SWA	
	01CRJX4C25SWA															
EXT. Ø 19mm EXT. Ø 21mm EXT. Ø 23mm EXT. Ø 24mm EXT. Ø 27mm EXT. Ø 31mm EXT. Ø 31mm EXT. Ø 37mm EXT. Ø 40mm EXT. Ø 46mm EXT. Ø 50mm EXT. Ø 55mm EXT. Ø 60mm EXT. Ø 66mm EXT. Ø 73mm																

