

**EAKJ****Heat-shrinkable airfield lighting cable joints  
for screened and unscreened cables 6/10 (12) kV  
and 3,6/6 (7,2) kV****Features**

- High performance joint material
- Compact design
- Connector included

**Benefits**

- Applicable for 4 kV and 7 kV lighting systems
- Easy and safe installation
- Unlimited shelf life

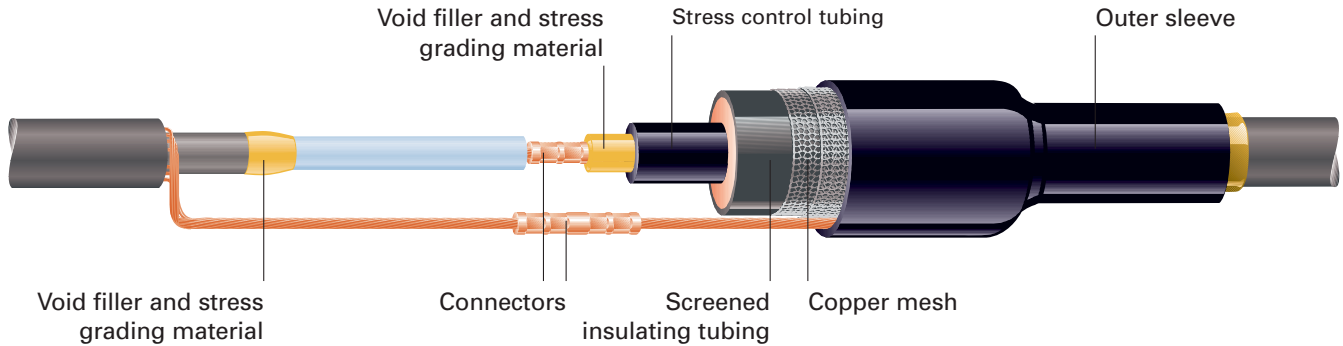


CABLE JOINTS, CABLE TERMINATIONS, CABLE GLANDS, CABLE CLEATS  
FEEDER PILLARS, FUSE LINKS, ARC FLASH, CABLE ROLLERS, CUT-OUTS

11KV 33KV CABLE JOINTS & CABLE TERMINATIONS  
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**Thorne and Derrick UK**

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## Design



## Technical data

	Voltage	Cross-section	Cable
EAKJ-12A/1XU-1XU	6/10 (12) kV	6 mm <sup>2</sup>	single core screened
EAKJ-2257	3,6/6 (7,2) kV	6 mm <sup>2</sup>	single core unscreened

## Test sequence

Minimum performance of the EAKJ 12A 1XU-1XU Airfield Lighting Cable Joint in accordance with Raychem PPS 3013/3016 Master Specification.

Test	Test requirements
A.C. voltage withstand 50 Hz	5 min at 35 kV
Partial discharge	XLPE ≤ 3 pC @ 7,5 kV
	XLPE ≤ 10 pC @ 12,0 kV
Impulse voltage withstand 1,2/50 μs impulse	10 positive impulses @ 75 kV
	10 negative impulses @ 75 kV
D.C. voltage withstand	30 min @ 48 kV
Partial discharge	XLPE ≤ 3 pC @ 7,5 kV
	XLPE ≤ 10 pC @ 12,0 kV

Test report PPR 1340

## A simple fast jointing technique

The joint components are supplied as a pre-engineered set of heat-shrinkable tubings. Cable preparation and installation techniques on the EAKJ are identical with medium voltage jointing systems.

The cross-linked polymeric materials provide highest performance also on smallest cross sections. The long-term performance of Raychem's heat shrinkable materials has been well proven by millions of jointing systems up to 72 kV.



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