



I-BEAM INSULATION COVER (IBIC) WILDLIFE AND ASSET PROTECTION PRODUCTS

KEY FEATURES

- UV and weather resistant material
- Halogen Free and highly anti tracking
- Specially designed for use on I-Beam structure
- Easily removed and reused for inspection
Maintenance free
- REACH and RoHS Compliant

The I-Beam Insulation Cover (IBIC) is designed to be strategically positioned to insulate the vulnerable areas most at risk, usually those closest to HV contact wires or HV busbars. Selective insulation by this method eliminates accidental flashover, improves reliability, and prevents expensive asset damage. Supplied in convenient 1m lengths, the IBIC is applied completely tool free with the need for any additional fixing methods or parts. Should modification be required to overcome unusual substrate geometry, even though the material is tough enough for the most severe conditions, cutting and drilling is easy with simple hand tools.

IBIC has been designed to provide high performance insulation to prevent electrical outages caused by accidental flashover on electrified rail networks and in utility power distribution networks.

IBIC is a flexible polymeric profile designed to simply clip on to I-Beam sections insulating the earthed structure thus preventing flashover caused by reduced air space clearance and temporary contact bridging. Depending on the environment, there are numerous causes of accidental flashover. The most common are those involving large birds and animals but still significant are those caused by branches of trees, airborne debris, severe pollution, and even acts of vandalism

Superior high-voltage outdoor materials are used in the IBIC cover design. The rugged, non-tracking, UV-resistant polymer ensures long-term performance even in the most extreme environmental conditions.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

I-Beam Insulation Cover (IBIC)



PRODUCT SELECTION INFORMATION

Product Description	I Beam Application Range mm (inches)	Weight (kg/m)	Length m (ft)
IBIC-200/125-1000-01	200mm (8") - 125mm (5") wide 19mm (3/4") max. flange thickness	1kg/m	1m (3.28')

PRODUCT PERFORMANCE

PHYSICAL

Key Material Property	Test Method	Material Requirements
Tensile Strength	ASTM D638	17MPa (2450 psi) min.
Ultimate Elongation	ASTM D638	25% min.
Electrical		
Dielectric Strength (2.5mm)	ASTM D257	150kV/cm (380 V/mil) min.
Tracking and Erosion Resistance	ASTM D2303 Step Voltage Method (initiate at 2.5kV)	No tracking erosion to top surface or flame failure 1hr at 2.5kV 1hr at 2.75kV 1hr at 3.0kV 1hr at 3.25kV 1hr at 3.5kV

TECHNICAL REPORT

Description	Document Reference
Material Test Report	EDR-5655
Product Test Report	EDR-5333

Learn more: [TE.com/energy](https://www.te-connectivity.com/energy)

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