

## Overhead line insulating channel Voltage classes 15/24 kV Conductor Ø 4 – 25 mm

### Product description

OLIC is a 'clip-on' insulating channel which provides flashover protection for overhead lines.

Installation of OLIC prevents power outages from swinging conductors and intermittent contact with birds, animals and trees.

OLIC is made from a track-resistant, cross-linked polymer of high dielectric strength.

Installation is simple, requiring no heat and no tools, making OLIC ideal for retrofit applications.

OLIC-O sections clip over the conductor and are held in place with UV stabilised plastic tie-wraps.

OLIC-C sections clip over the conductor and are held in place with a removable and re-usable closure rail.

### Applications

OLIC-O and OLIC-C are suitable for use on overhead line conductors with diameter from 4 mm to 25 mm.

Both channels are available in 1 m and 3 m lengths. These can be cut easily to form a range of shapes and linked together to form long lengths.

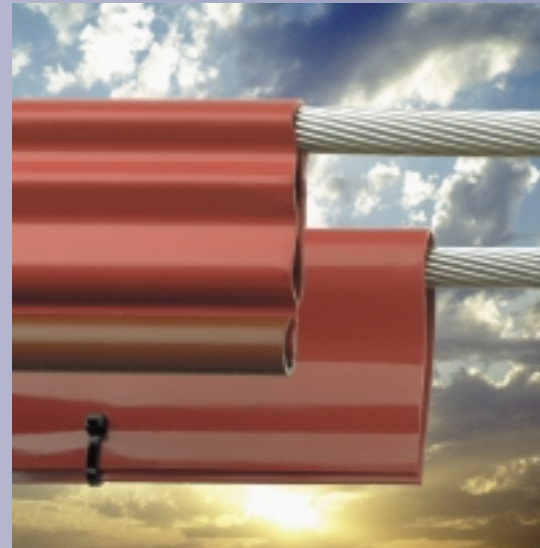
OLIC has passed test programmes set by Raychem and utilities for applications up to 15 kV (OLIC-O) and 24 kV (OLIC-C).

### Live-line working

OLIC-O has been installed by one large utility using live-line working techniques.

### Features/benefits

- Clip-on, tool-free installation allows easy retrofit application
- Modular design permits re-enterable and re-usable applications
- High dielectric strength provides good protection against accidental line flashovers
- UV-resistance and weather resistance gives maintenance-free lifetime
- Raychem's high voltage test programme assures long term reliability
- Mechanically robust polymer design is lightweight and vandal-resistant



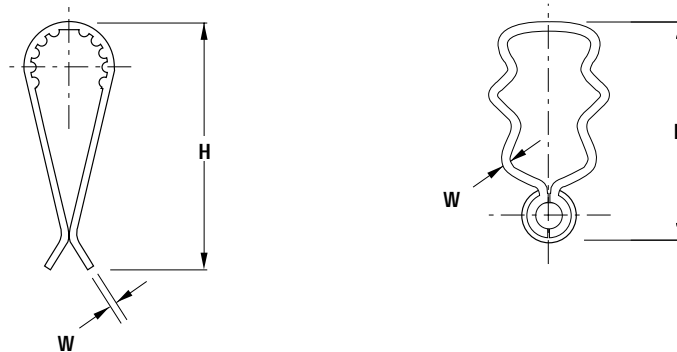
# OLIC

# Overhead line insulating channel

Key product specifications	Test method	Requirement
Tensile strength (TS)	ISO 37, ASTM D638	10 MPa min.
Ultimate elongation (UE)	ISO 37, ASTM D638	300% min.
Dielectric strength	IEC 243, ASTM D149	130 kV/cm min. @ 2 mm
Comparative tracking index	IEC 112, VDE 0303/1	KA 3c
Low temperature flexibility	ASTM D2671 Procedure C	No cracking after 4 hrs @ -40°C
Thermal endurance	IEC 216, IEEE 1-1969	105°C min.
Flammability	ANSI C37.20/IEEE-27	No flame conveyance (60 sec max.)
Smoke index	NES 711	Less than 50
Weathering resistance	ASTM G53	Less than 20% reduction in UE after 5000 hrs
Resistance to bird guano	Uric acid for 168 hrs @ 60°C	No change in TS or UE

**Note:** For further product specification information see Raychem PPS 3010/25.

## Product selection/ ordering information



Ordering description	Dimension H nom.	Dimension W min.	UOM: one piece of length (m)
OLIC-O-1000	85	1.5	1.0
OLIC-O-3000	85	1.5	3.0
OLIC-C-1000	76	1.5	1.0
OLIC-C-3000	76	1.5	3.0

**Note:** Dimensions in mm unless otherwise stated. Installation instructions EPP 0627 5/96 and Material Safety Data Sheet available on request.

## Technical reports

UVR 8193 – Product qualification report for OLIC-C and OLIC-O

• Wedge technology products • Electrical connectors • Cable accessories • Asset protection • Surge arresters • Insulators • Electrical connectors • Fittings • Associated toolings

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Members of the Tyco Electronics Corporation:



**Tyco Electronics Raychem GmbH**  
Energy Division  
Haidgraben 6  
85521 Ottobrunn/Munich  
Germany  
Tel. (089) 6089-0  
Fax (089) 609 63 45

**Tyco Electronics Corporation**  
Energy Division  
8000 Purfoy Road  
Fuquay-Varina,  
NC 27526-9349, USA  
Tel. (800) 327-6996  
Fax (800) 527-8350

**Tyco Electronics Corporation**  
Energy Division  
c/o AMP Singapore Pte Ltd  
No. 26 Ang Mo Kio Industrial Park 2  
Singapore 569507  
Tel. 65-4836012  
Fax 65-4836031