Prysmian Group

PRYSMIAN
Draka

UFC IR - Universal Fibre Joint

Prysmian Part Number: *See below*

The UFC IR - Universal Fibre Joint is a high capacity enclosure primarily used for local distribution of optical cables / blown fibres in both aerial and underground optical fibre networks. The joint is circular in shape and offers high flexibility due to the cable entry options presented by the joint base. The single base configuration offers 28 round cable ports together with two oval ports for loop through applications. The joint cover and base are sealed with an "O" ring and clamp mechanism. Cable entries can be sealed using either mechanical cable entry kits (Cablelok™) and/or heatshrink sleeves on all ports. 3 different splice tray options are available to suit the actual application of the joint for both single fibre and ribbon fibre splicing. A pressure relief valve can be fitted to the cover.

Features and Benefits

• Integrated routing system allows any fibre to be routed to any tray.

• The UFC - Universal Fibre Joint has a maximum capacity of 432 fibres (using standard heatshrink splice protectors)

•The choice of tray will depend upon capacity, whether or not interchangeable splice inserts are required, number of tray entries and type of fibre and cable selected.

• The joint is compatible with a large range of Prysmian manufactured optical cables including Zephyr™ mini blown cables, Rapier® micro-module cable, Sirocco® blown fibre, mass link/fusion link ribbon fibre cables

• Can be used with high fibre count ribbon cables in super highway primary rings.

• With up to 26 small diameter ports (see overleaf for range of sizes) it is ideal for the distribution of subscriber drops in FTTH networks or for splicing in primary rings in metropolitan networks.

• Four different cover lengths depending upon number and type of tray selected.

• All Ellipse tray UFC - Universal Fibre Joints are fitted with loop storage baskets.

• Cables are sealed into the joint using either Cablelok™ or Heatshrink. Refer to data sheet HT006 for information on ordering cable seals.

Kit Contents

The UFC - Universal Fibre Joint is supplied without splice trays. All accessories required for the complete installation of two cables are included. NOTE: Cablelok™ must be purchased separately to suit cable diameter
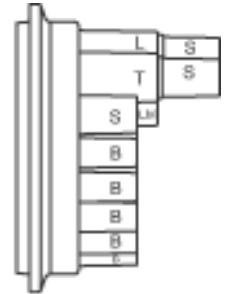
Additional Items

• Splice Trays

• Splice Protectors

• Sealing Options

• Wall & Pole Mounting Bracket

• Installation Clamp / Mounting Bracket

• Port Opening Tools

OASYS

Technical Data

- Number of cable ports: 28 circular and 2 oval
- Maximum cable diameter (mm): 35 (see below)

Port Type	No. of ports	Cable Range (mm)	
		Cablelok™	Heatshrink
L	1	SEE DATASHEET HT006	2 x 12.0 - 24.0
LM	1	2 x 9.5 - 22.0	2 x 8.0 - 22.0
T	2	15.5 - 29.0	12.0 - 35.0
S	10	5.0 - 20.0	6.0 - 26.0
R	16	4.8 - 16.5	6.0 - 19.0

Refer to Datasheet HT006 for details on Cable Sealing options.

- Maximum number of splice trays: 36
- Maximum fibre capacity of Joint: *See table below*
- Required space envelope (mm): (l) 400 / 550 / 600 / 750 x (Ø) 310
- Operating temperature: -20ºC to + 50ºC (5 to 95% RH)
- Sealing: IP68

Cover
B: 550mm length
BC: 600mm length
C: 750mm length

Part Numbers

UFC - Universal Fibre Joint

Note: For special part numbers please contact the Prysmian sales desk

Part No.	No. of SE trays	No. of SC trays	Loop Storage	Length
XJHSC00126	12	24	NO	549mm
XJHSC00127	12	24	YES	549mm
XJHSC00128*	24	48	NO	549mm
XJHSC00129	18	36	NO	598mm
XJHSC00130	18	36	YES	598mm
XJHSC00131*	36	64	NO	598mm
XJHSC00132	30	60	NO	749mm
XJHSC00133	30	60	YES	749mm
XJHSC00134*	60	120	NO	749mm

* Splice trays can be fitted on both sides of the spine

Additional Items

Cable Sealing

The ports of the FML – Large Fibre Joint Joint can be sealed using Cablelok™ or heatshrink on all ports. Please see datasheet HT006 for further information.

Prysmian Part No. – see Datasheet HT006

Heat Shrink Splice Protectors

Heat Shrink Splice Protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length. There is also a 1.6mm in Diameter and 40mm in length for use with medium PON, Ellipse SE-B and Mass splice trays.

Prysmian Part No. - XPESC00031 (pack of 50) 2.4mm X 45mm
- XHASC00014 (pack of 80) 1.6mm X 40mm

Crimp Splice Protectors

Crimp Splice Protectors are used to protect the fibre splice. They are 45mm in length.

Prysmian Part No. – XKTSC00078 (pack of 50)
- XKTSC00079 (pack of 12)

Mechanical Splices

Mechanical Splices are used to splice fibres together without the need of a fusion splicing machine. They are 4mm wide x 4mm tall and 40mm in length. An assembly tool and splice holder is required for installation. See Prysmian data sheet AC007 for further information on mechanical splices.

Prysmian Part No. – XKTSC00121 (pack of 50)

Splice trays

The FDN joint is compatible with various tray types. The joint does not come with any trays included. Listed below is the full list of splice trays available. All trays can house up to 12 splices.

Prysmian Part No. –   XHASC00130 – Pack of 12 SC trays
XHASC00131 – Pack of 6 SE trays
XHASC00132 – Pack of 6 SE trays for 2.2 x 45mm heat shrink splice protectors
XHASC00133 – Pack of 6 SE trays for ribbon splice Protectors
XHASC00134 – Pack of 6 SE trays for 2.4 x 45mm heat shrink splice protector
XHASC00135 – Pack of 6 SE splice trays for ANT/crimp splice protectors

Wall or Pole Mounting Bracket

The Joint Wall or Pole Mounting Bracket allows an FML – Large Size Fibre Joint to be mounted vertically or horizontally on a pole, or against a wall face or bulk head. The bracket is secured using either screws or a steel band (not provided).

Prysmian Part No. – XHASC00087

Additional Items Continued

Installation Clamp / Mounting Bracket

The Universal Installation Mounting Bracket or Clamp is designed for securing the closure in the horizontal or vertical position during installation of network cables or closure maintenance. The standard version will fit a number of closures including the FML – Large Size Joint, the jaws specific to this joint can be purchased separately.

Prysmian Part Nos. – XHASC00077 (standard)

Port Opening Tools

Port Opening Tools are available in a number of sizes designed for the removal of the ends of closed joint cable entry ports. Three types are used on the FML – Large Fibre Joint, depending upon port size (see below). A Coping Saw is required for larger ports.

Prysmian Part Nos. –   XHASC00072 (port size B)
XHASC00073 (port size S)
XHASC00076 (coping saw – port sizes L & T)

Please contact your local sales office listed on **www.prysmiangroup.com**