

IFSIT Cable And Wall Box Installation Guides

IP/Installation Procedure for IFSIT

This instruction details the installation procedure to mount the Indoor Flat Self Installed Transparent cable routing system.

The IFSIT cable kit allows you to discreetly run up to 4 fibres inside internal premise when no available embedded duct is available.

After installation, IFSIT cable must be left undisturbed for at least two days, to adhere properly to the wall.

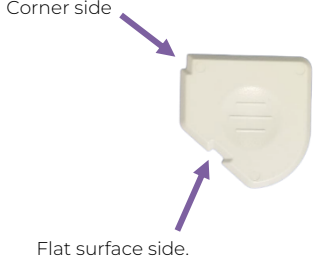
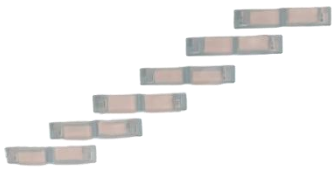
Precautions and Warnings

- ! This guide is only valid for products purchased from or approved by Prysmian.
- ! During this procedure all local Health & Safety statutory regulations must be adhered to.
- ! This installation should only be carried out by suitably trained competent persons.

Tools Required

1. Drill	2. Rubber Mallet	12 mm diameter Drill Bit, 25 cm long	4. Tape Measure	5. Spirit Level	6. Pencil
					

Parts List

<p>IFSIT Cable 1fo, 2fo and 4fo with either G.657.B3 or G.657.A2, supplied preterminated or not, installed on a cardboard reel</p> 	<p>Through Wall Accessories (Transparent) – 2 pcs</p> 	<p>Installation Accessory – 1 pc</p> 
<p>Indoor Flat Self Installed Transparent cable routing system, which guides and protects up to 4 optical cables. It is equipped with a self-adhesive tape to hold onto the walls inside the premises. This allows quick installation on any surface.</p> <p>Cable can be equipped with connectors SC or LC.</p>	<p>This accessory can be used to pass fibre through the wall from one room to another.</p>	<p>This tool facilitates and speeds up the installation procedure. Can be used on a flat surface and in the corners.</p>
<p>90° Bend Accessories (Transparent) – 6 pcs</p> 	<p>Cardboard Dispenser</p> 	<p>90° Flat Bend Accessories (Transparent) – 6 pcs</p> 
<p>Protection of optical cable(s) for internal and external bends.</p>	<p>Please plan your installation well in advance to avoid removing and reinstalling the IFSIT cable. Plan the route, align the cable, mark it and measure the distance.</p>	<p>Protection of optical cable(s) in a flat corner.</p>

Parts List

Pass Wall Stick – 1 pc 	Stripping Tool – 1 pc (Optional) 
This accessory can be used to pass fibre through the wall from one room to another.	Insulation removal tool for IFSIT.

Installing the IFSIT on a Surface

Step 1



Before installing the IFSIT on any surface, it is mandatory to clean the surface properly to minimize the presence of dust.

BEST PRACTICE:

It is recommended to use a dust-catcher cloth or a brush.

Installing the IFSIT on a Surface

Step 2



Please plan your installation well in advance to avoid removing and reinstalling the IFSIT cable. Plan the route, align the cable, mark it and measure the distance.

Installing the IFSIT on a Surface

Step 3



Use a spirit level, lightly mark a straight line on the wall with a pencil.

Installing the IFSIT on a Surface

Step 4



Before installing, remove the cardboard reel from the box, to take off the protective band.

Installing the IFSIT on a Surface

Step 5



Remove all the kits from the Cardboard Reel.

Installing the IFSIT on a Surface

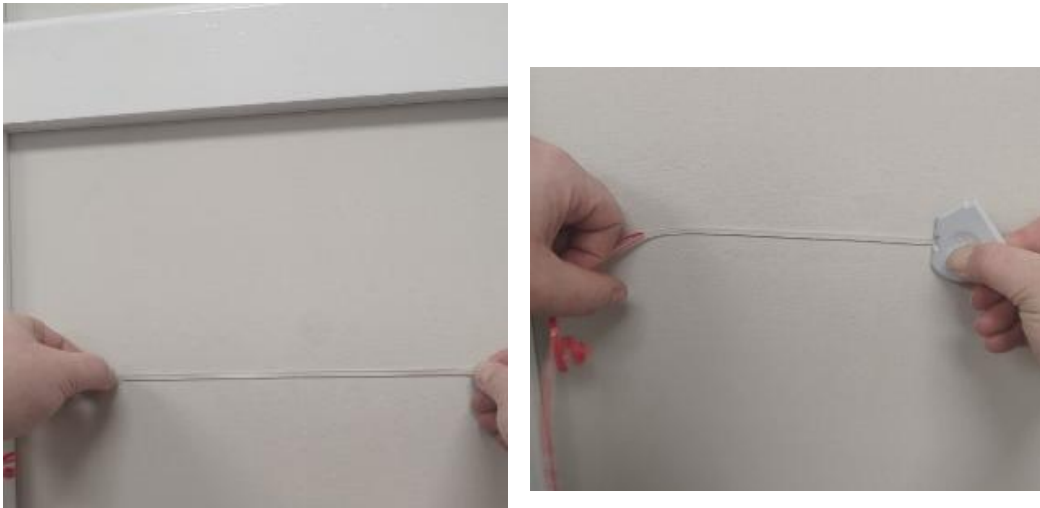
Step 6



To use the dispenser, remove two tabs for easy access to the cable.

Installing the IFSIT on a Surface

Step 7



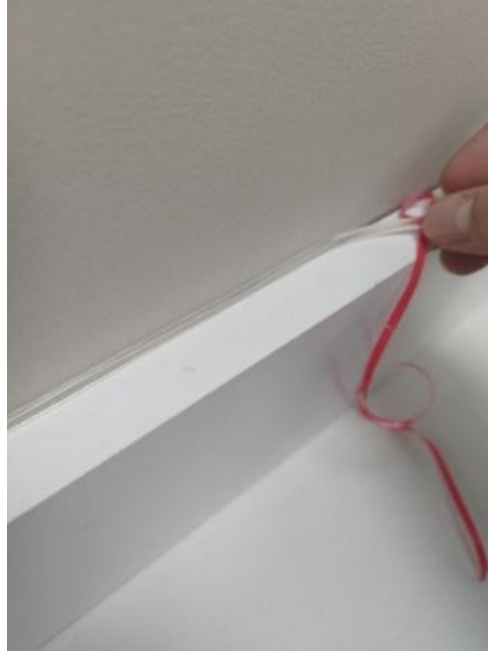
Carefully lay the IFSIT on the surface. When it is in place, firmly push it at the wall. When secured, start using Installation Accessory.

BEST PRACTICE:

Repeat the process few times to ensure that the cable is secure.

Installing the IFSIT on a Surface

Step 8



Then take off the protective liner to carry on installing IFSIT.

BEST PRACTICE:

Due to extremely sticky nature of the tape, always remove 200mm protective lining at a time. IFSIT is prone to tangle if longer lengths of protective lining are removed at once.

Installing IFSIT around a Flat Corner using 90° Flat Bend Accessory

Step 1



To correctly maneuver the IFSIT cable around a corner, please use 90° Flat Bend Accessory.

Installing IFSIT around a Flat Corner using 90° Flat Bend Accessory

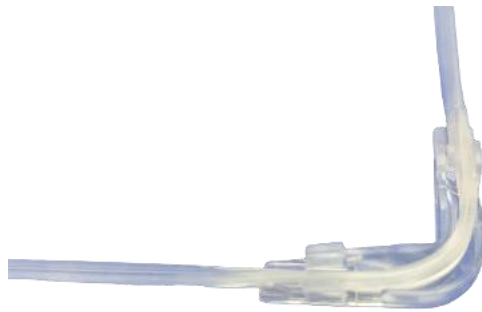
Step 2



Take off the protective liner and install 90° Flat Bend Accessory appropriately, in the desired location.

Installing IFSIT around a Flat Corner using 90° Flat Bend Accessory

Step 3



When installing the IFSIT into the 90° accessory, ensure that the cable is rotated onto its side. The product is designed like this to minimize strain on the cable.

Installing IFSIT around a Flat Corner using 90° Flat Bend Accessory

Step 4



To continue installation after 90° Flat Bend Accessory, simply follow IFSIT Installation steps in section 1 above.

Installing IFSIT around internal and external bends using 90° Bend Accessory

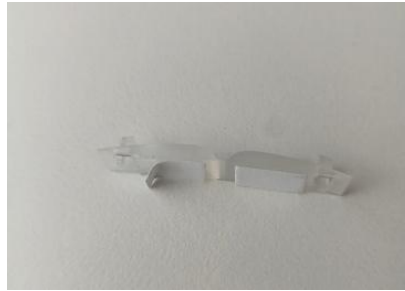
Step 1



To correctly install the IFSIT cable in internal and external bends, please use 90° Bend Accessories.

Installing IFSIT around internal and external bends using 90° Bend Accessory

Step 2



Take off the protective liner and install 90° Bend Accessory in the desired location.

Installing IFSIT around internal and external bends using 90° Bend Accessory

Step 3



When installing the IFSIT into the 90° Bend accessory, ensure that the hooks are oriented down.

Installing IFSIT around internal and external bends using 90° Bend Accessory

Step 4



To continue installation after 90° Bend Accessory, simply follow IFSIT Installation steps in section 1 above.

Through Wall Accessories and Pass Wall Stick

Step 1



When installing IFSIT between rooms, use 12mm drill bit.

Through Wall Accessories and Pass Wall Stick

Step 2

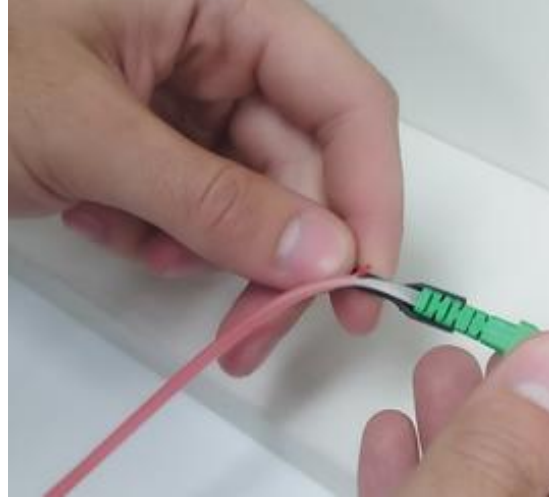


Push Through Wall Accessories into the wall. And repeat for both sides of the wall.

Use rubber mallet if needed.

Through Wall Accessories and Pass Wall Stick

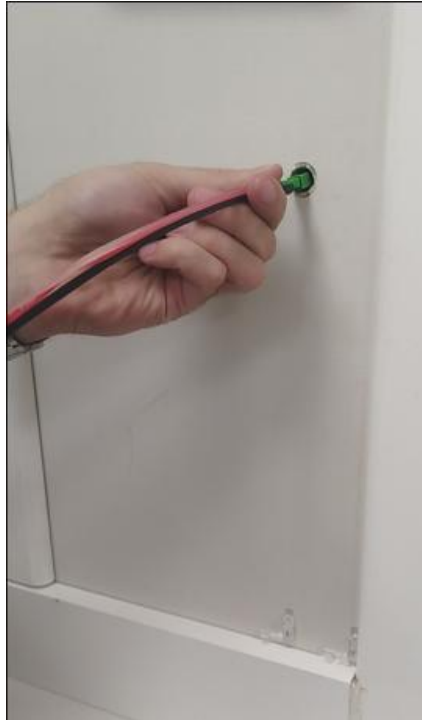
Step 3



When using pre-connectorised IFSIT cable, push the connector through the wall using the Pass Wall Stick, before installing the Through Wall Accessory.

Through Wall Accessories and Pass Wall Stick

Step 4



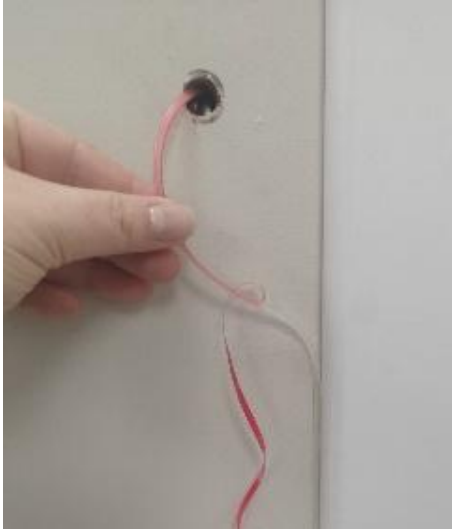
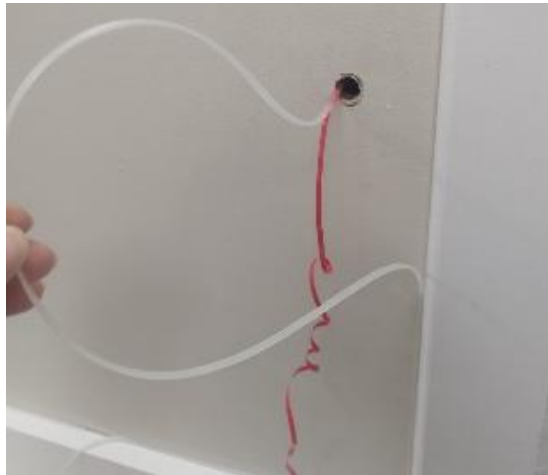
Post the IFSIT through the wall using the Pass Wall Stick. Before attaching the cable, plan the route, align the cable and measure the distance.

BEST PRACTICE:

Start installation on the connector side to avoid unwanted IFSIT excess.

Through Wall Accessories and Pass Wall Stick

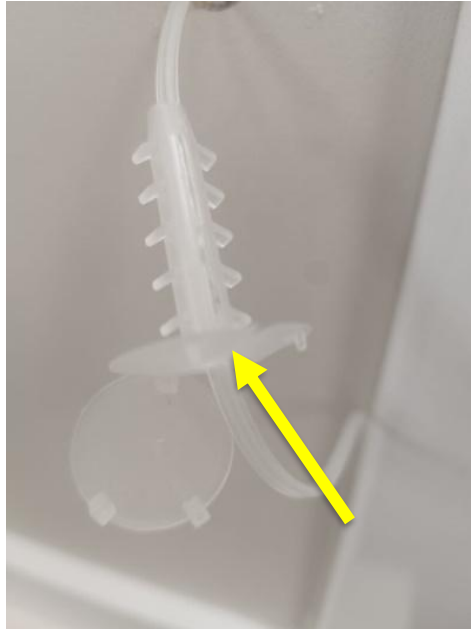
Step 5



After routing IFSIT along one side of the wall, stop about 150 mm from the hole and take off the protective liner. Remove only the amount of the protective liner necessary to put through the opposite side.

Through Wall Accessories and Pass Wall Stick

Step 6



Rotate the cable onto its side and slide into Through Wall Accessory.

Through Wall Accessories and Pass Wall Stick

Step 7



When cable is in place, firmly push it at the wall. When secured, start using Installation Accessory.

Through Wall Accessories and Pass Wall Stick

Step 8



Push in the Wall Accessory and repeat at the other side of the wall.

Through Wall Accessories and Pass Wall Stick

Step 9



Continue with the installation.

Stripping the IFSIT– without the IFSIT Stripping Tool

Step 1



The IFSIT cable is designed to have a middle parting to the centre of the cable which can be cut across (as pictured).

To begin, locate this groove.

Stripping the IFSIT– without the IFSIT Stripping Tool

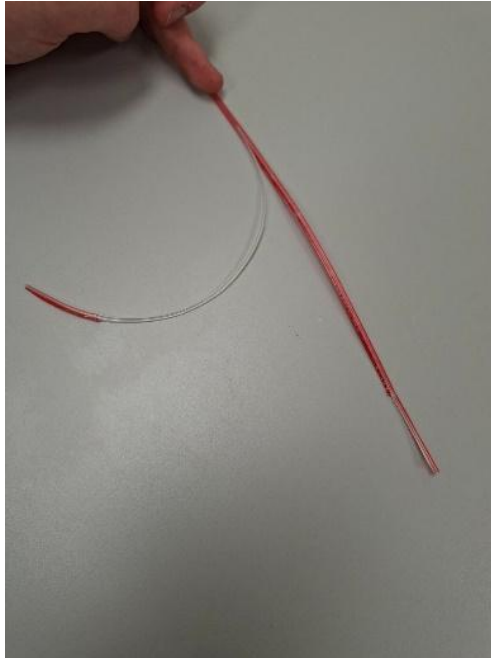
Step 2



Then using scissors, cut roughly 40mm down this groove.

Stripping the IFSIT– without the IFSIT Stripping Tool

Step 3

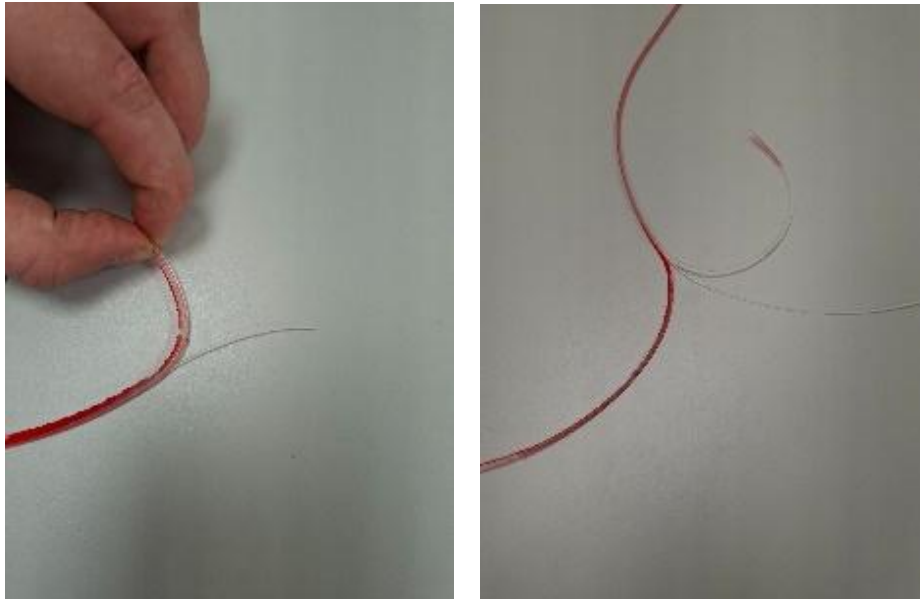


After cutting, use hands to grip either sheath leg or pull them apart to strip further.

Continue this until the desired amount of cable has been striped.

Stripping the IFSIT– without the IFSIT Stripping Tool

Step 4



Once you have stripped the cable to your desired length, then gently remove the 900µ fibre from the cable.

The best method is to peel it away from the top of the cable.

Stripping the IFSIT- without the IFSIT Stripping Tool

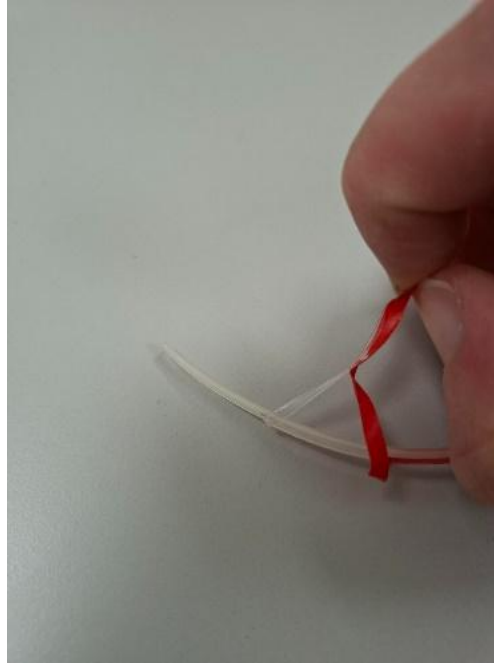
Step 5



Then proceed to cut the excess sheath and strip this cable like any other fibre cable.

Stripping the IFSIT– with the IFSIT Stripping Tool

Step 1



Firstly, remove all the adhesive from the IFSIT cable.

The easiest method of running your thumb over the adhesive, and this causes it to roll away from the cable.

Stripping the IFSIT- with the IFSIT Stripping Tool

Step 2



Then place the IFSIT Stripping Tool on the cable where you would like to begin stripping.

Stripping the IFSIT– with the IFSIT Stripping Tool

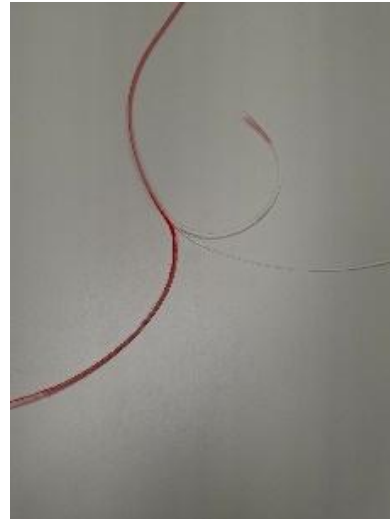
Step 3



Put pressure on the IFSIT Stripping Tool to ensure that the blades, within the tool, can score the IFSIT Cable. After pressure is applied, guide the tool down the cable to score the entire cable.

Stripping the IFSIT– with the IFSIT Stripping Tool

Step 4



Once you have scored the cable, use scissors to cut down the cable on either side of the fibre and pull the sheath legs apart, to expose the fibre.

Stripping the IFSIT- with the IFSIT Stripping Tool

Step 5



Then proceed to cut the excess sheath and strip this cable like any other fibre cable.

Optical Test

Step 1



A final optical test must be carried out to ensure connectivity across the installation.

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