

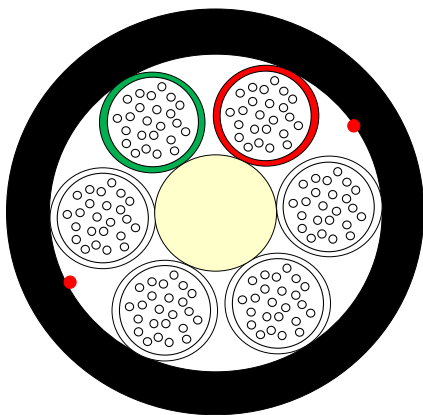
Cable Installation Guide

Openreach Preparation Guide For COF260 (144f, 5.0mm) Cables

CIG0149-GB

Product Application

The instructions within this document explain the stripping procedure for COF260 (144f, 5.0mm) cables for jointing and termination purposes.







- **Optical Fibre:** 200micron G.657.A2 (HE)
- **Central Strength Member (CSM):** glass fibre reinforced plastic material (GRP) with over-sheathing.
- **Tube:** thermoplastic material, containing 24 single-mode optical fibres and filled with a suitable water tightness compound.
- **Stranding:** the 6 tubes are SZ stranded around the central strength member.
- **Longitudinal Water Tightness:** water swellable elements (dry core).
- **Outer Sheath:** HDPE, 2 Ripcords beneath the sheath

Precautions and Warnings

- ! This guide is only valid for products purchased from or approved by Prysmian Group.
- ! During this procedure all local Health & Safety statutory regulations must be adhered to.
- ! The tubes containing the optical fibres in this range of cables have a reduced diameter and 24f per tube therefore care must be taken when accessing the optical fibres.

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Tools and materials

| 1. Stripper Cable Sheath 7 | 2. Scissors | 3. Strippers Optical Fibre 1A | 4. Paper Towelling |
|---|---|--|---|
| BT Item Code: 126853 | BT Item Code: 116282 | BT Item Code: 126826 | BT Item Code: 090889 |
|  |  |  |  |

| 5. Nipper Diagonal Cutter 160mm |
|------------------------------------|
|------------------------------------|

| |
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| BT Item Code: 127405 |
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Sheath Removal Method

Step 1



On a dummy section of cable determine the setting of the cutter to ensure that the depth of the cut does not damage the tubes.

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Step 2



Determine the amount of sheath to be removed and at the required distance mark the cable sheath.

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Step 3



At a point 150mm from the end of the cable apply a circumferential cut to the cable.

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Step 4



Apply two longitudinal cuts opposite each other.

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Step 5



Separate the cable sheath.

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Step 6



Remove the split cable sheath.

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Step 7



Identify the rip cords.

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Step 8



Using one of the rip cords apply a longitudinal cut to the mark in Step 2.

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Step 9



Remove the cable core from the sheath.

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Step 10



Remove the cable sheath.

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Step 11



Remove the rip cords.

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Step 12



Unwind the binder yarns.

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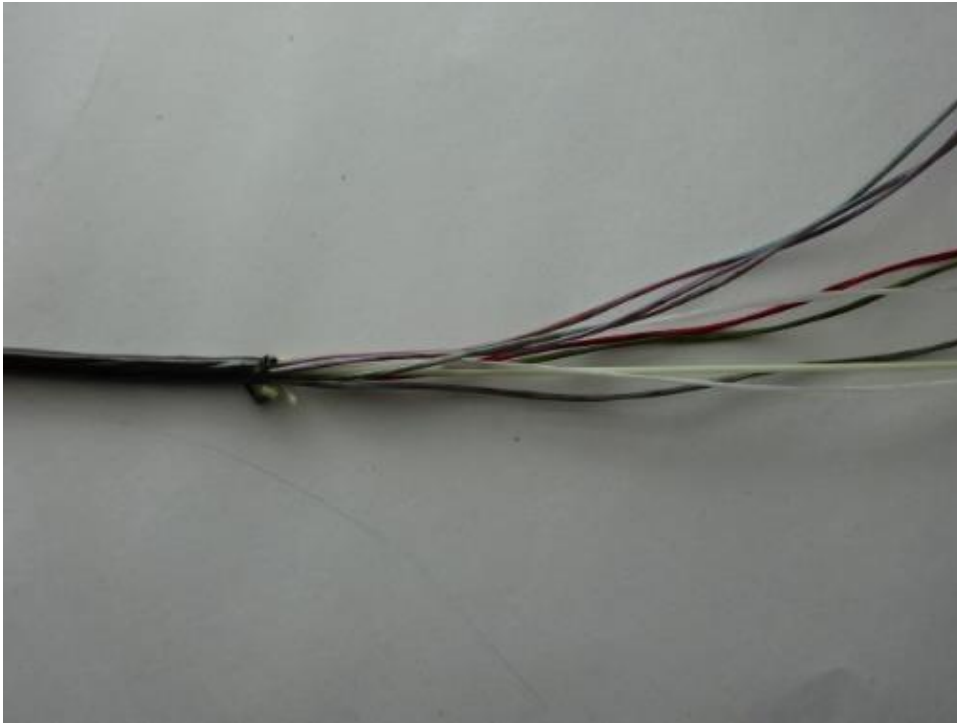
Step 13



Remove the binder yarns.

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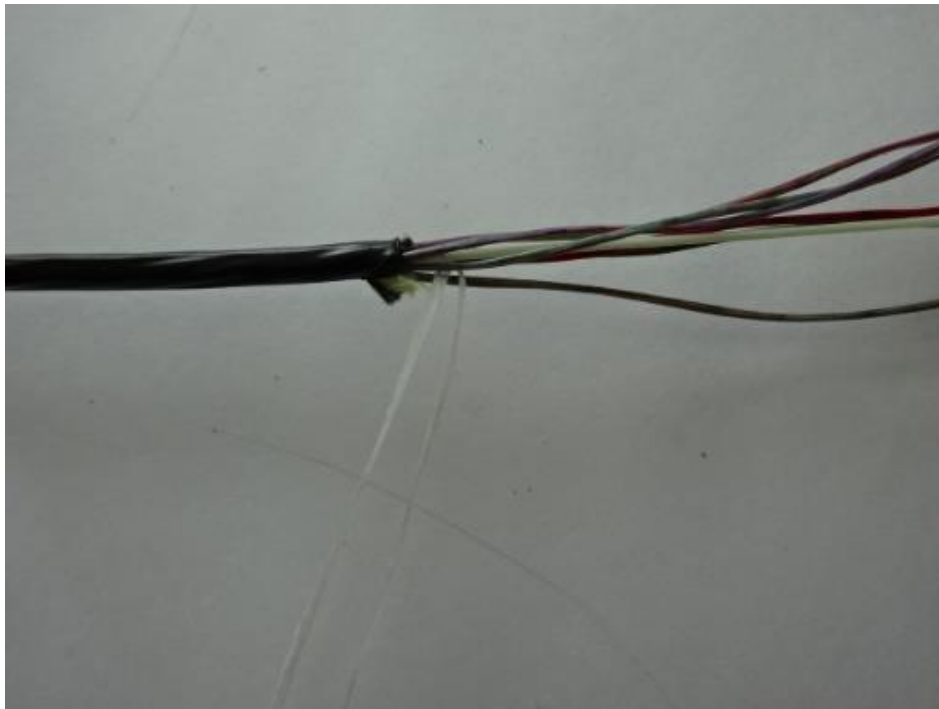
Step 14



Unwind the tube elements from around the central strength member.

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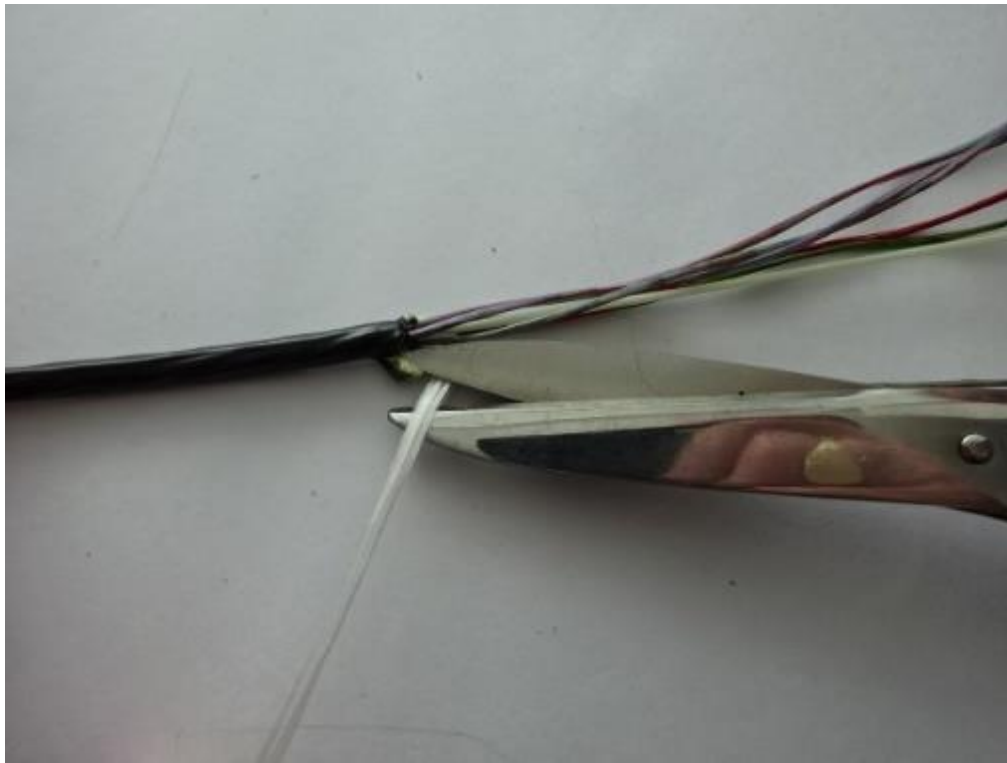
Step 15



Identify the water swellable yarns.

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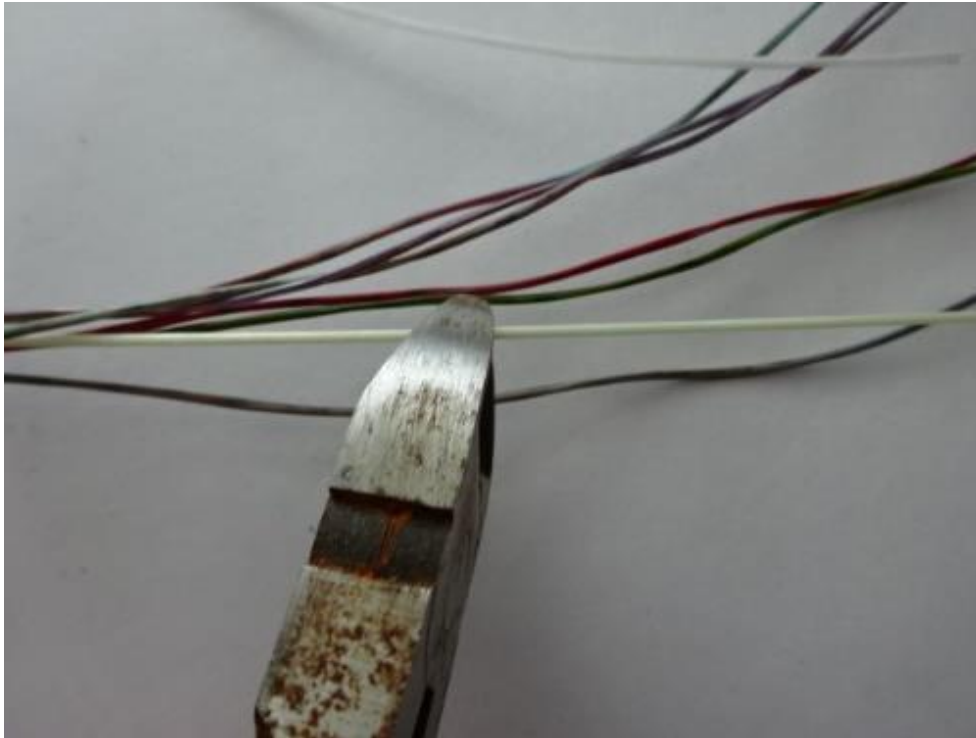
Step 16



Remove the water swellable yarns.

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Step 17

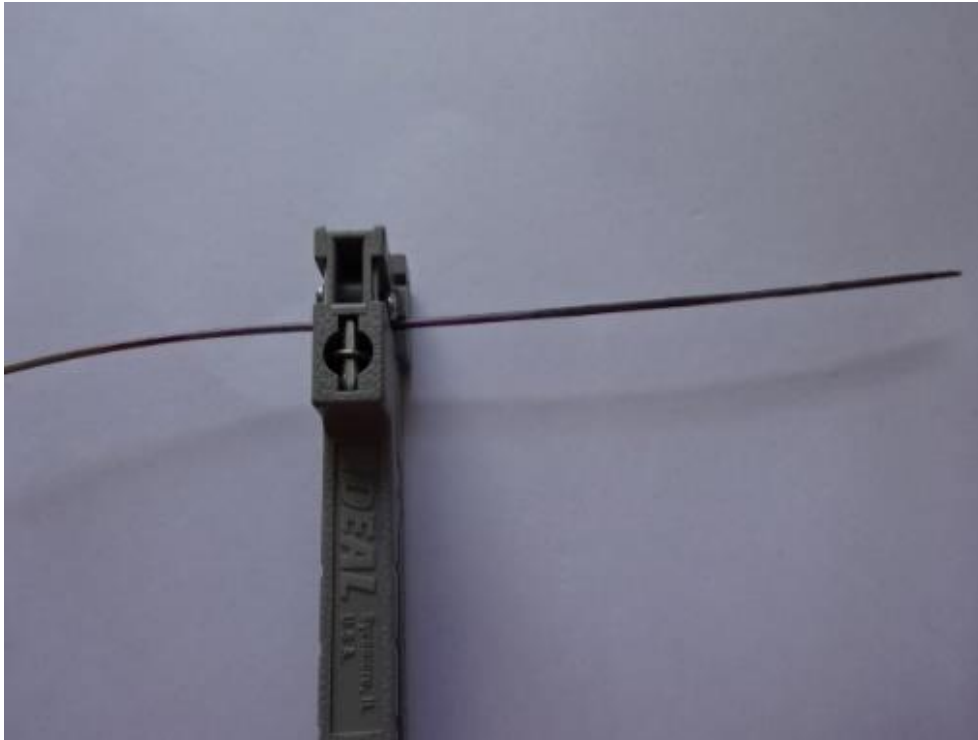


Cut the central strength member at the correct length.

Fibre Access Method

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Step 18



On a dummy section of tube determine the setting of the cutter to ensure that the depth of the cut does not damage the optical fibres but just scores the tube.

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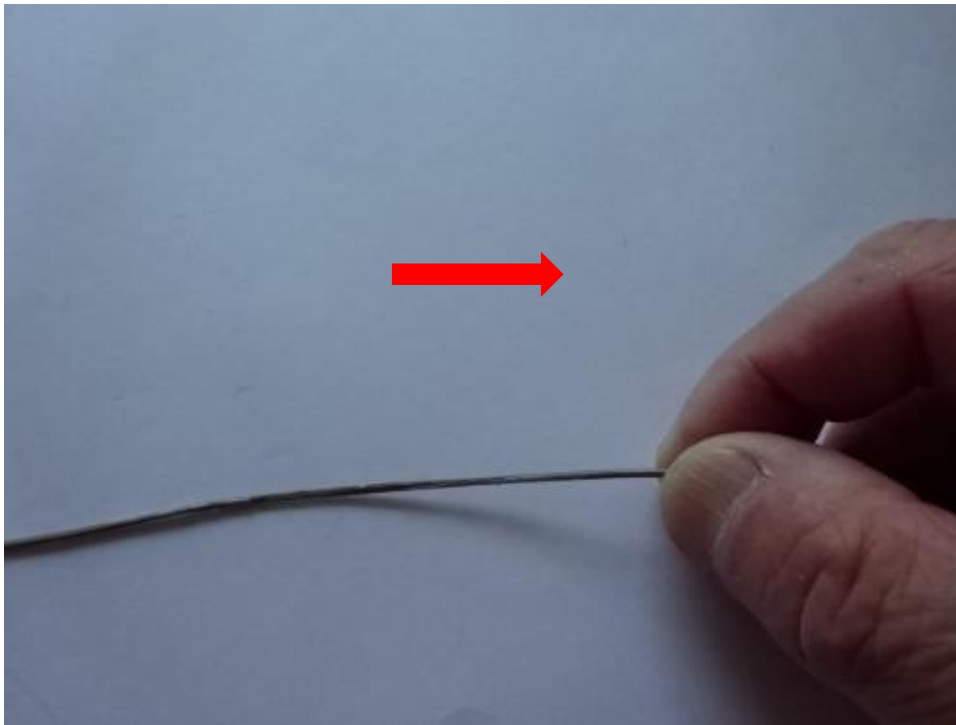
Step 19



Apply a circumferential cut 300mm from the end of the tube and flex the tube.

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Step 20



Carefully remove the tube from around the optical fibres.

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Step 21



Remove the grease from around the optical fibres.

Step 22

No Picture

Repeat Steps 19 – 21 until a sufficient length of the optical fibres have been exposed.