Preparation Guide For Sirocco^{HD & XT} Cables

CIG0150-WW

Product Application

The instructions within this document explain the stripping procedure for Sirocco^{HD & XT} cables for jointing and termination purposes.



-not to scale-

- **Optical Fibre:** 200μ or 180μ G.657.A2 (HE)
- Central Strength Member (CSM): glass fibre reinforced plastic material (GRP) with oversheathing.
- Tube: thermoplastic material, containing 24 single-mode optical fibres and filled with a suitable water tightness compound.
- **Stranding:** the 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

Circumferential Cable Cutter	2. Ideal Tube Stripper 45-163	3. Ideal Tube Stripper 45-162	4. Scissors
PN: - XBFSC00079	PN: - XKTSC01305	PN: - XKTSC00641	PN: - XKTSC01305

5. Paper Towelling	6. Diagonal Cutter	
PN: - n/a	PN: - n/a	

! Either item 1 or 2 can be used

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.



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



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



Apply two longitudinal cuts opposite each other.



Separate the cable sheath.



Remove the split cable sheath.



Identify the rip cords.



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



Remove the cable core from the sheath.



Remove the cable sheath.



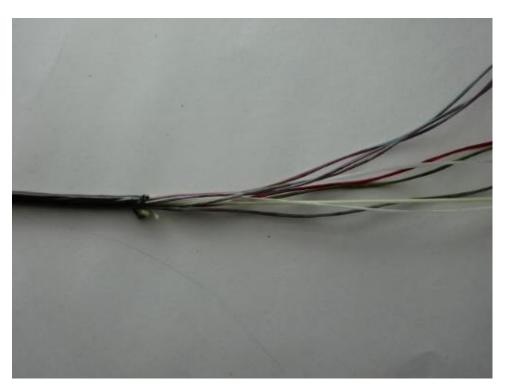
Remove the rip cords.



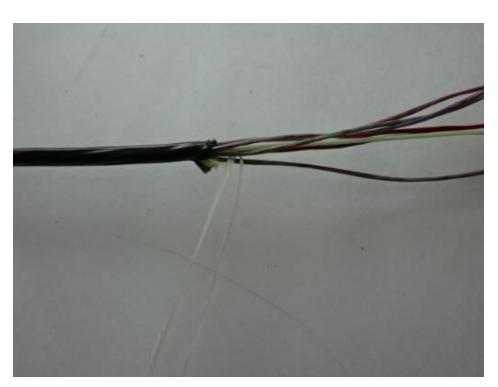
Unwind the binder yarns.



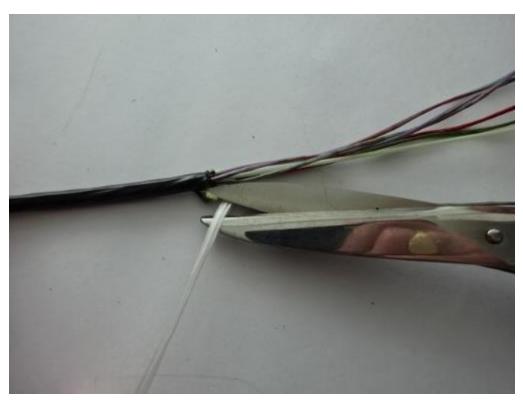
Remove the binder yarns.



Unwind the tube elements from around the central strength member.

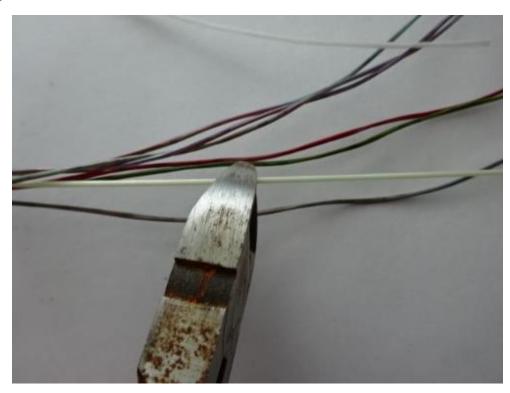


Identify the water swellable yarns.



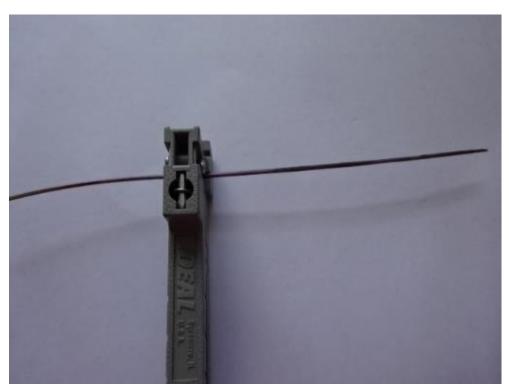
Remove the water swellable yarns.

Step 17

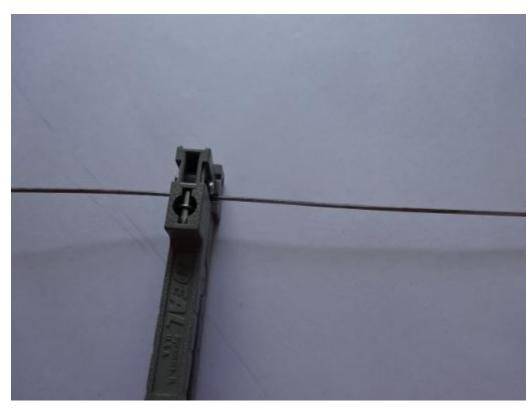


Cut the central strength member at the correct length.

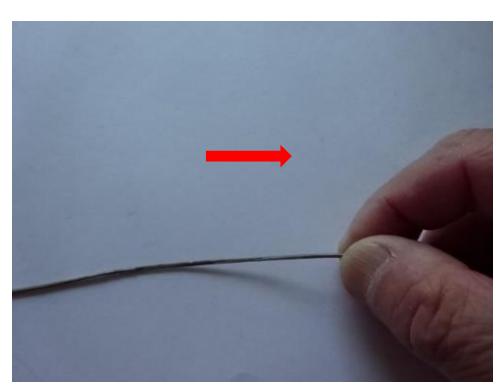
Fibre Access Method



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.



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



Carefully remove the tube from around the optical fibres.



Remove the grease from around the optical fibres.

Prysmian

Cable Installation Guide

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Step 22
No Picture
Repeat Steps 19 – 21 until a sufficient length of the optical fibres have been exposed.

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