

Cable Installation Guide

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:** 200 μ or 180 μ 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 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.

Cable Installation Guide

Tools and materials

1. Circumferential Cable Cutter PN: - XBFSC00079 	2. Ideal Tube Stripper 45-163 PN: - XKTSC01305 	3. Ideal Tube Stripper 45-162 PN: - XKTSC00641 	4. Scissors PN: - XKTSC01305 
5. Paper Towelling PN: - n/a 	6. Diagonal Cutter 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.

Cable Installation Guide

Step 2



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

Cable Installation Guide

Step 3



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

Cable Installation Guide

Step 4



Apply two longitudinal cuts opposite each other.

Cable Installation Guide

Step 5



Separate the cable sheath.

Cable Installation Guide

Step 6



Remove the split cable sheath.

Cable Installation Guide

Step 7



Identify the rip cords.

Cable Installation Guide

Step 8



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

Cable Installation Guide

Step 9



Remove the cable core from the sheath.

Cable Installation Guide

Step 10



Remove the cable sheath.

Cable Installation Guide

Step 11



Remove the rip cords.

Cable Installation Guide

Step 12



Unwind the binder yarns.

Cable Installation Guide

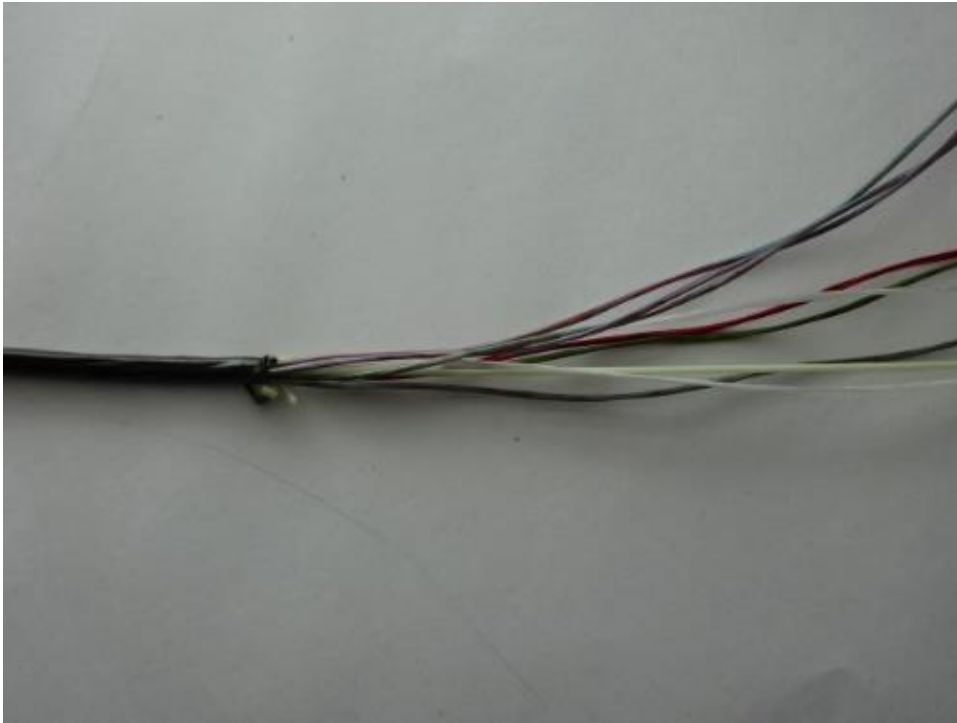
Step 13



Remove the binder yarns.

Cable Installation Guide

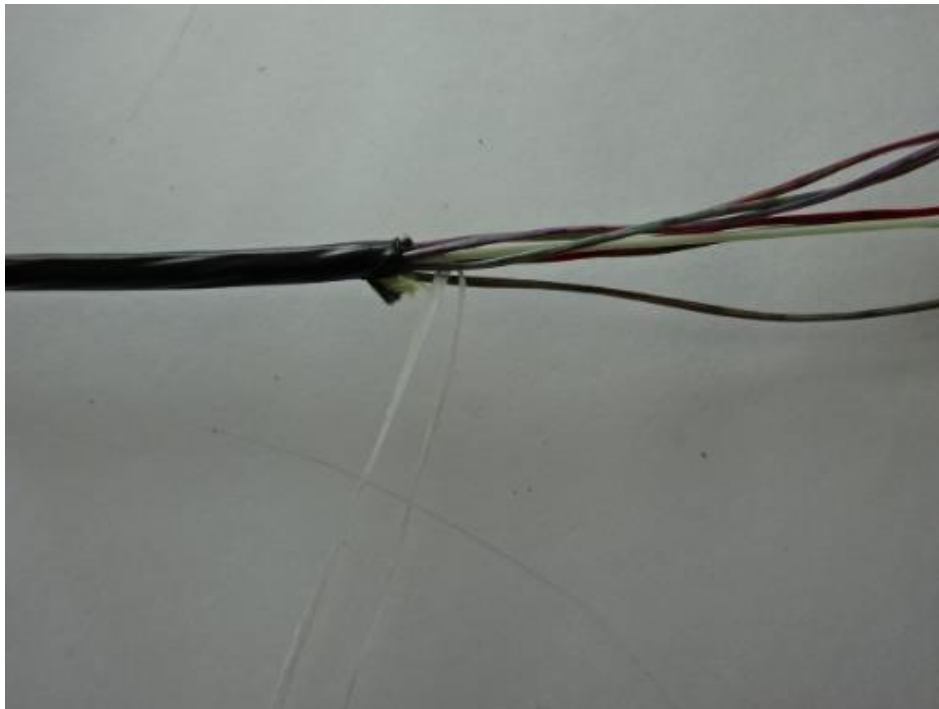
Step 14



Unwind the tube elements from around the central strength member.

Cable Installation Guide

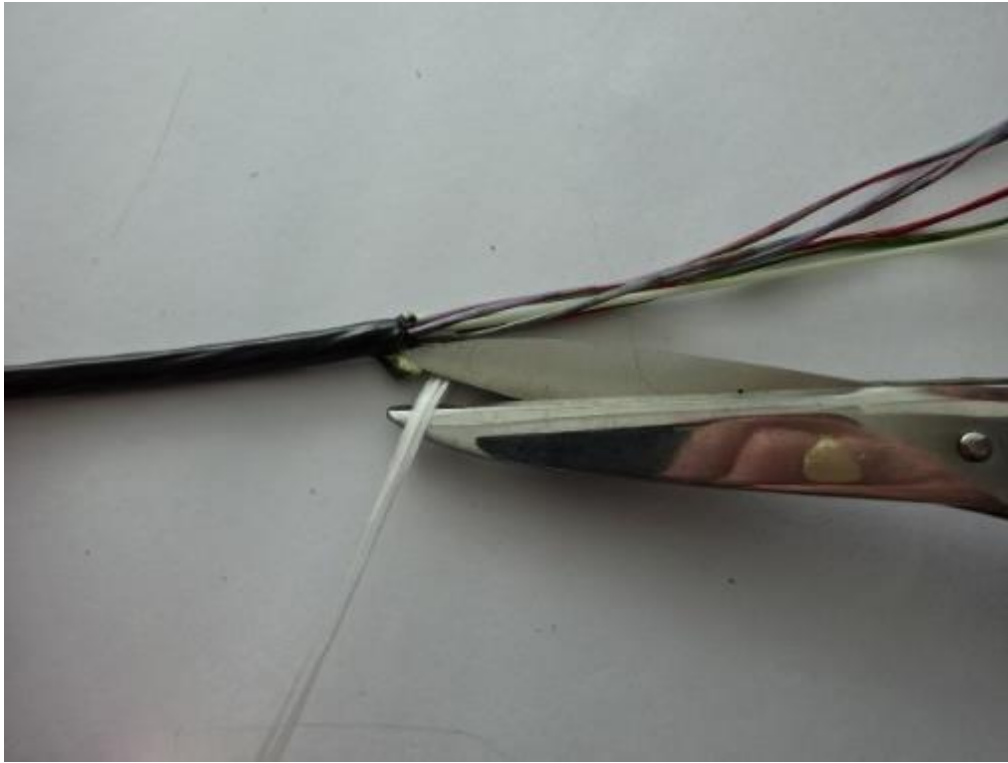
Step 15



Identify the water swellable yarns.

Cable Installation Guide

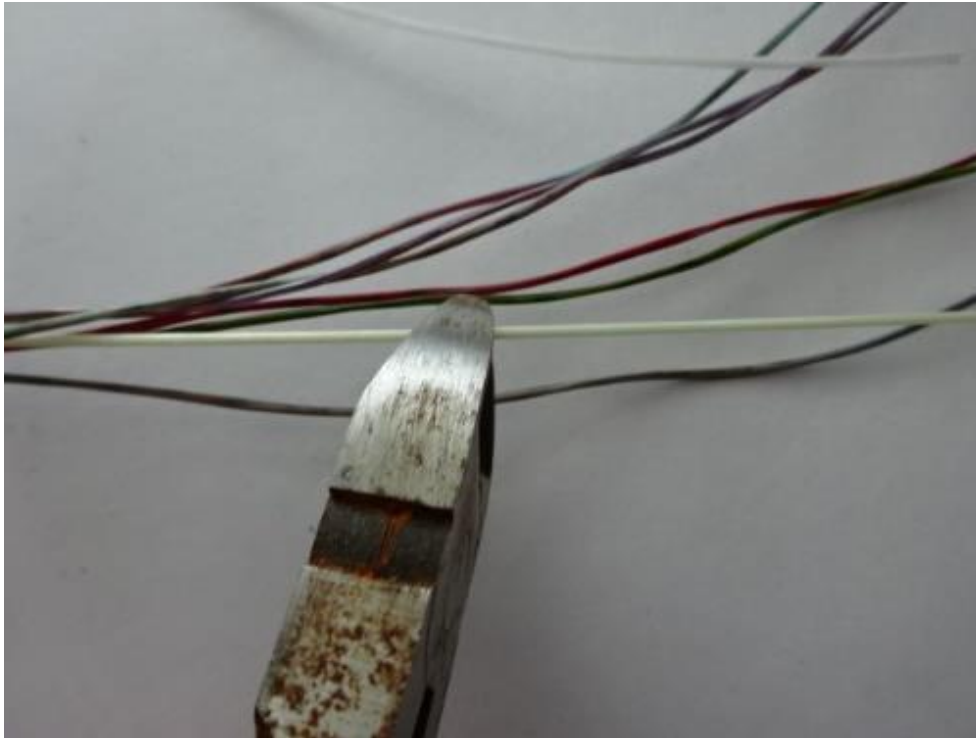
Step 16



Remove the water swellable yarns.

Cable Installation Guide

Step 17

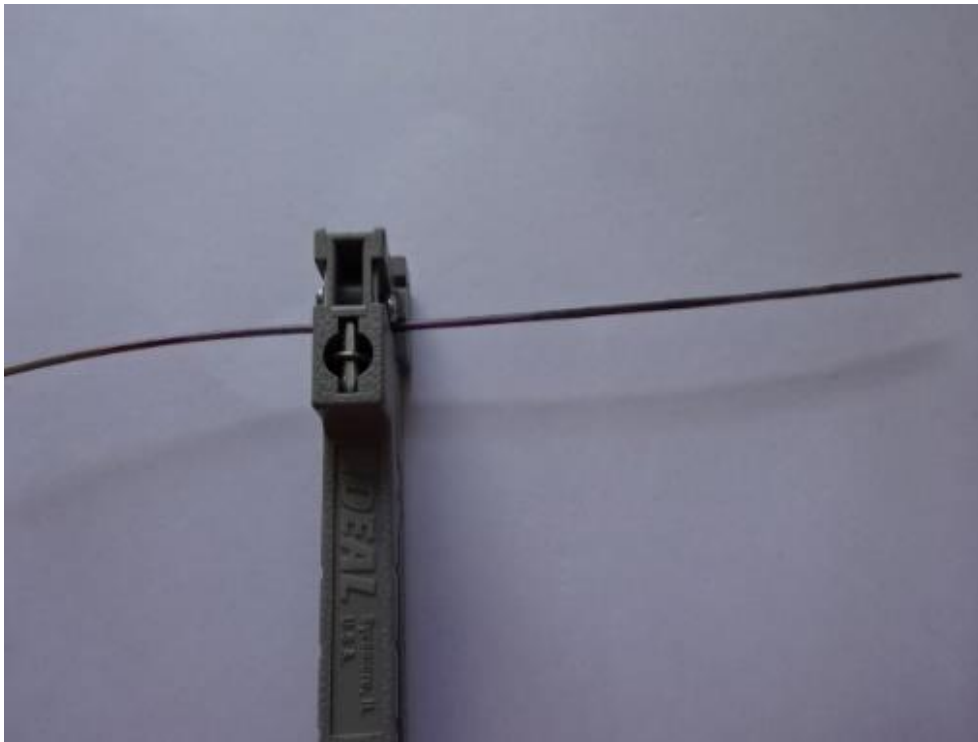


Cut the central strength member at the correct length.

Fibre Access Method

Cable Installation Guide

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.

Cable Installation Guide

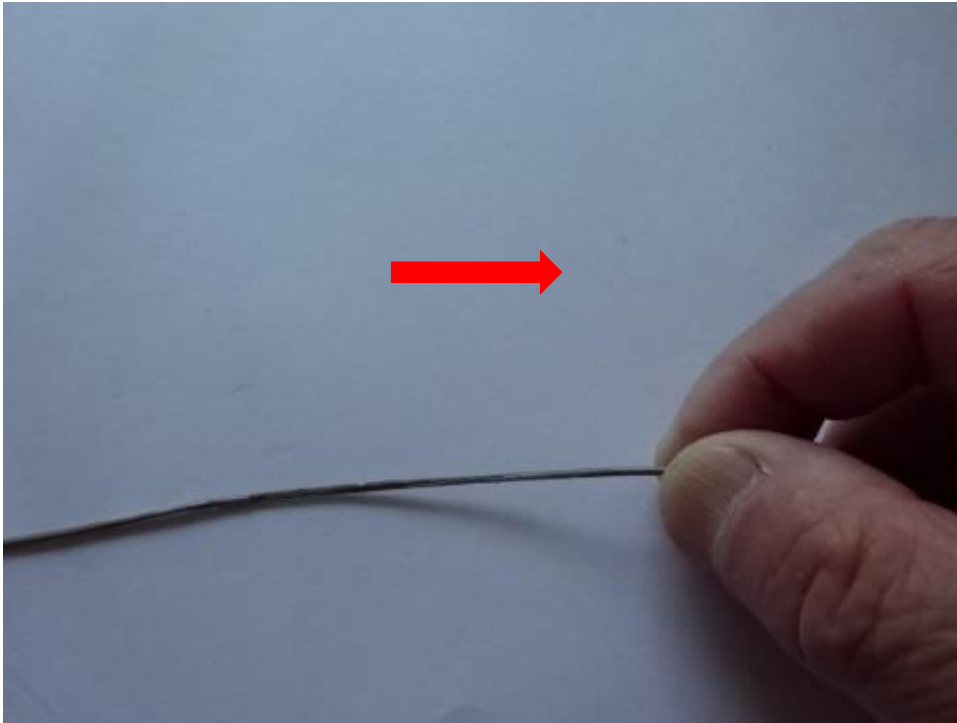
Step 19



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

Cable Installation Guide

Step 20



Carefully remove the tube from around the optical fibres.

Cable Installation Guide

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.