



STAC-S

Soft Tube Access Cable- Small

ACE-II-2021-v01-e

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Table of Contents

1	Introduction	2
1.1	Document history	2
2	General	3
2.1	Product.....	3
2.2	Tools	3
2.3	References.....	3
3	Instruction	4
3.1	Peeling outer sheath STAC-S cable	4
3.2	Peeling inner sheath STIC cable.....	6
3.3	Installation of the Soft Tube Indoor Cable (STIC)	7

1 Introduction



This special indoor/outdoor drop cable with bend-insensitive fibre G.657.A2, protected by easy strippable soft tube, meets all requirements for FTTH access network: a small diameter, low weight, high tensile force, and easily strippable features. The STAC-S is designed to connect the outside branch to customer's termination box without splicing, resulting in reduced installation-time.

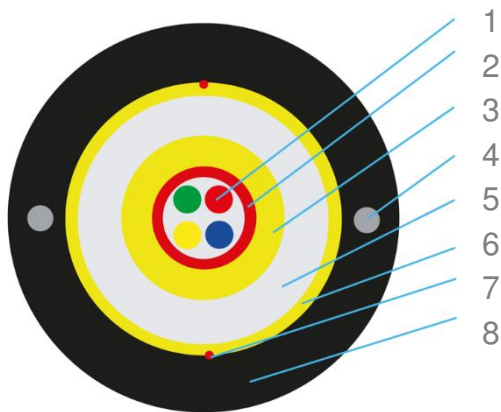
This cable consists of a double jacket design, with a 90° bend radius inner subunit (STIC) perfectly suitable for indoor application, a robust outer sheath for outdoor installation and tensile strength members between both jackets. The outer sheath can be easily removed, when entering the building. Due to its (semi-)dry construction, this cable is highly safe and can be used in any human habitation. The dry soft tube makes also easier its installation into the vertical riser shafts of MDU's. This multi-purpose cable can be installed by pulling in ducts, on external walls, or aerial between poles. The STAC-S cable is designed for maximum spans of 50m (NESC Light). For further information, please consult document Sag & Tension Calculations under characteristic 'Specification'..

1.1 Document history

Version	Date	Major changes
01	January 2021	First release

2 General

2.1 Product



Description

- | | |
|----|--|
| 1. | Optical Fibers |
| 2. | Soft Tube Module |
| 3. | Strength member (waterblocking aramid yarns) |
| 4. | Embedded FRP rods |
| 5. | Inner sheath HFFR-LS |
| 6. | Strength member (waterblocking aramid yarns) |
| 7. | Ripcords |
| 8. | Outer sheath HDPE |

2.2 Tools



Aramid scissors

2.2 References

References mentioned in this document refer to actual versions of the below mentioned documents:

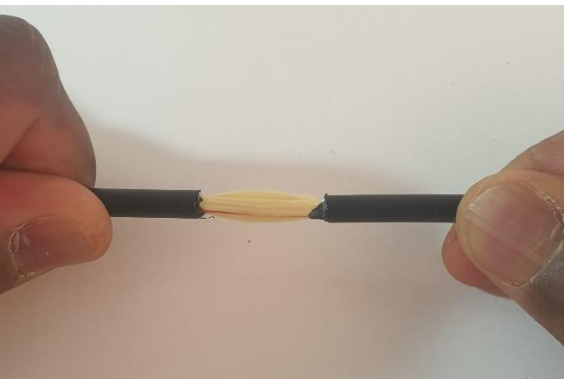
Document	Title	Author
Link to STAC-S cables	Technical sheet STAC-S	TKF

3 Instructions

3.1 Peeling the outer sheath STAC-S



Make a distant circular cut where you want to stop the outer sheath peeling.



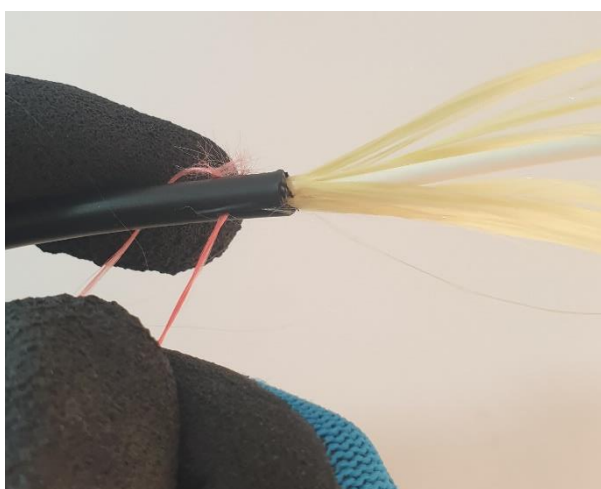
Make a circular cut and remove the end of the outer sheath on 15/20 cm.



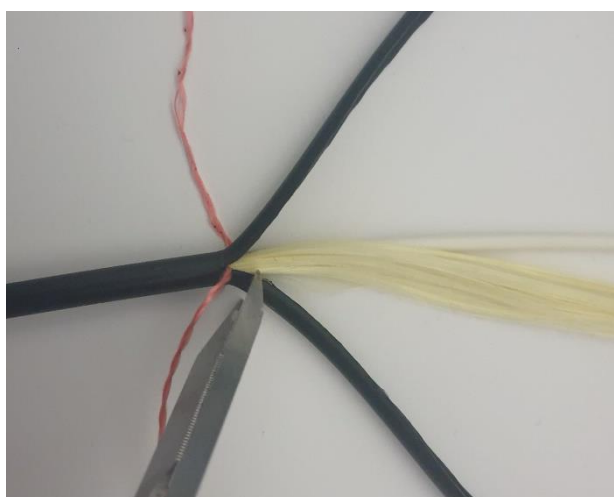
Make a gash of about 1 cm in the sheath in front of each ripcord.



Separate the aramid yarns from the ripcords.



Pull on the ripcords one after the other, on the whole length to be stripped.

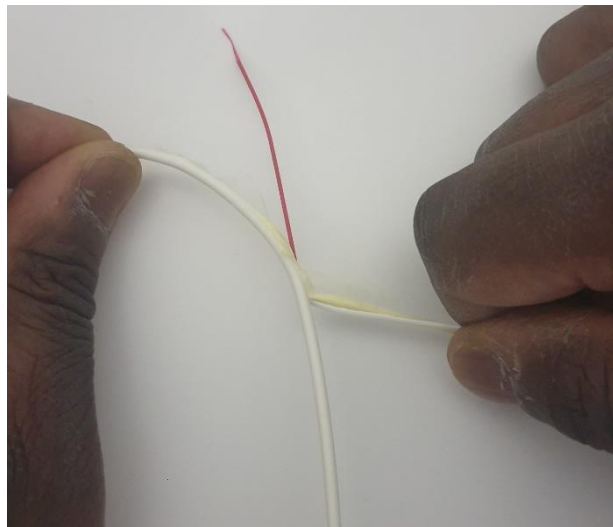


Cut off excess outer sheath, aramid and ripcords.

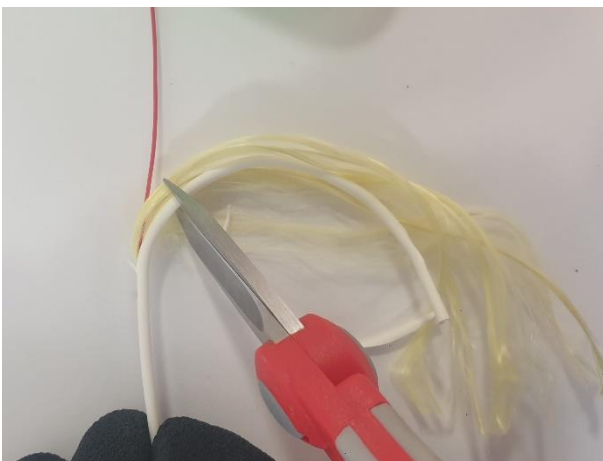
3.2 Peeling the inner sheath STIC cable



Make a gash through the center of the inner sheath.



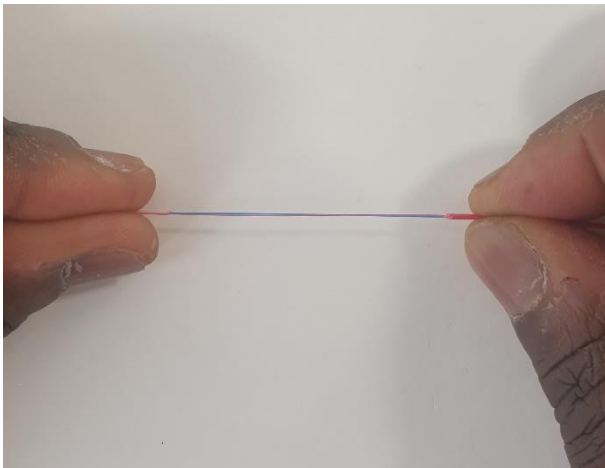
Pull on both sides of the inner sheath and aramid to peel it.



Cut off excess outer sheath, aramid

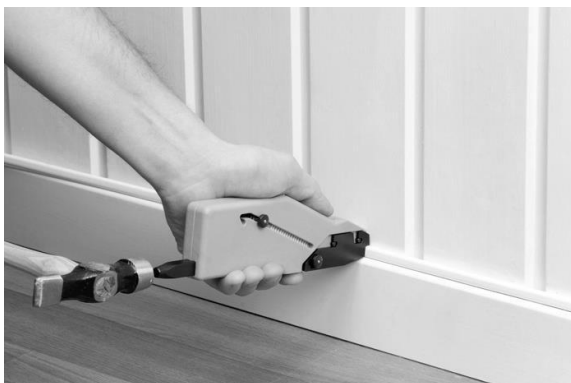


Cut the end of the Soft Tube, possibly damaged on few centimeters.



Manually strip the Soft Tube by gently pinching out the tube with your nails.

3.3 Installation of the Soft Tube Indoor Cable (STIC)



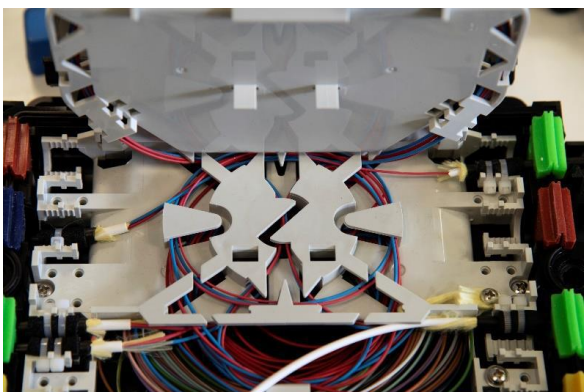
The inner part (STIC) is perfectly suited to wall installation with hot glue, bridges, or staples.

Remark:

Mind the diameter of the staples



Thanks to its low bending radius, flexible and resistant structure, the STIC cable is suitable for indoor installation with high demands concerning edges and corners.



The STAC-S cable is designed for duct, aerial and facade installation. Thus, it is perfectly recommended for connecting DP box such as our optical distribution closure (μ ODC) in access chamber or on pole.

For installation of STAC-S cables in the μ ODC closure, please refer to the latest version of the installation instructions of this product.