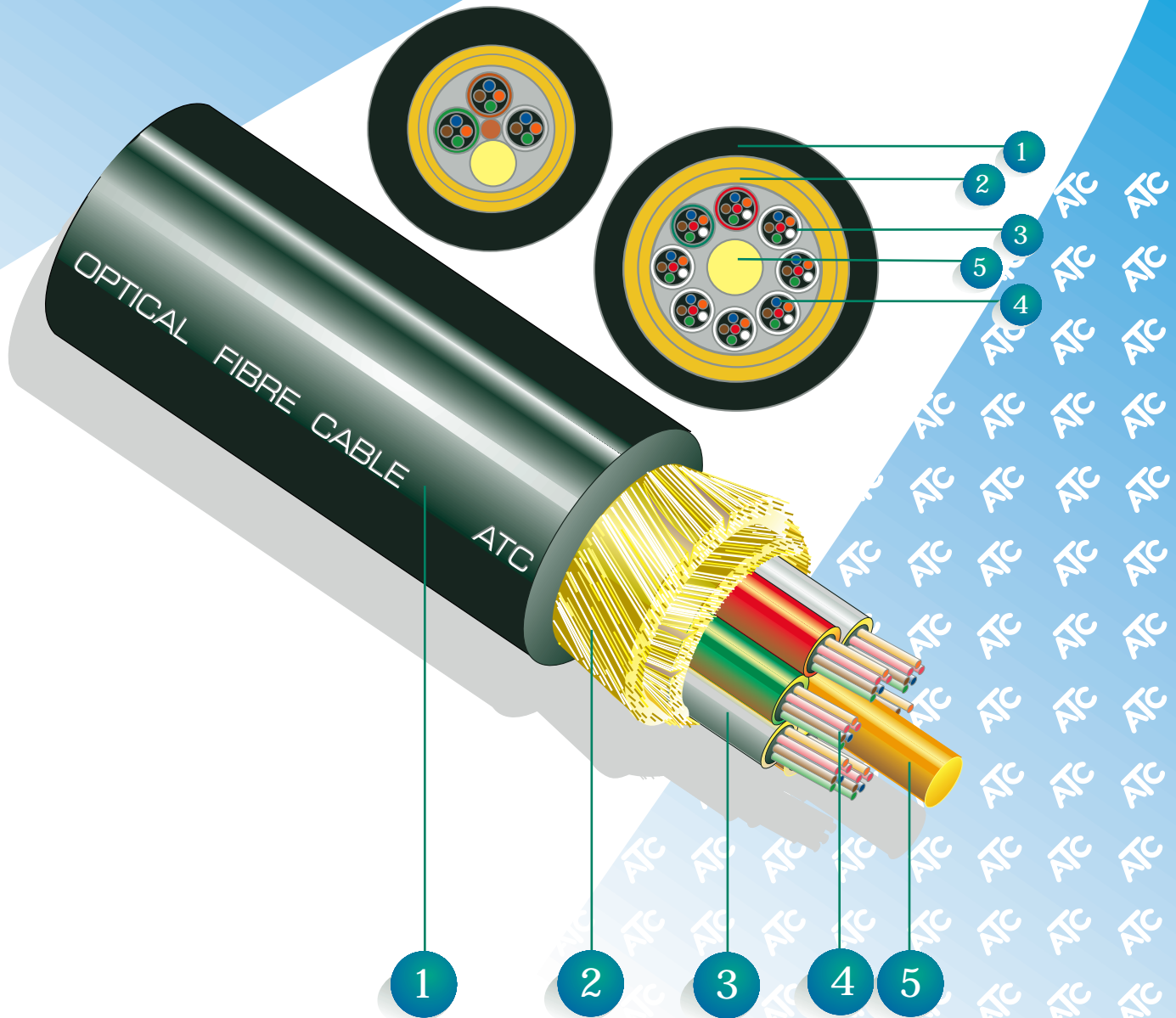




# SHORT SPAN AERIAL CABLE

(Non-metallic self-supporting cable on pole routes)



## Cable Description

1. UV resistant Polyethylene outer sheath.
2. Double layer aramid strength member.
3. Gel filled loose tubes.
4. Colour coded fibres.
5. GRP centre strength member.

OUTDOOR  
OPTICAL  
FIBRE  
CABLE



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(Non-metallic self-supporting cable on pole routes)

## Product features

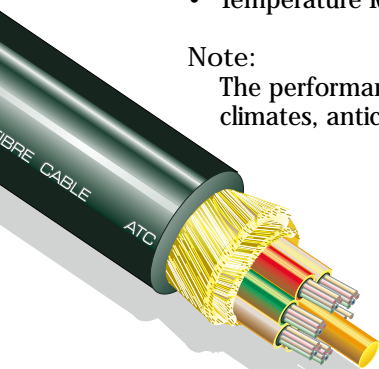
- The ATC “short span” series are compact loose tube aerial self-supporting cables specifically designed for installation on pole routes with 70 m spans, but are suitable for a multitude of self-supporting applications.
- Though these cables are not ideally suited to the duct environment, they can be used as such, to avoid unnecessary splicing at the ends of self-supporting routes.
- The cable's main feature is its low installation cost, and the speed with which this can be effected due to its lightweight and self-supporting characteristics.
- This cable is designed to perform optimally under severe temperature extremes.
- Each loose tube contains up to 6 individually coloured fibres. Additional identification is obtained by colouring the tubes by reference marker scheme.
- The series is furnished with aramid strength members which enable the cable to withstand sustained Every Day Stress (EDS), as well as high loading during environmental extremes. The aramid is applied contra-helically in two layers to eliminate torsional stress.
- The cable's smooth circular profile inhibits galloping, and the gel in the tubes provides additional protection against vibration, ensuring excellent optical reliability for all service conditions.
- The sheathing material is well dosed with Carbon Black to give the cable excellent UV resistance.
- It is recommended that only installation hardware verified according to the ATC CLAMP-APPROVAL SPECIFICATION be used. (Please contact the ATC Technical Department in this regard.)

## Typical properties

• Fibre count (up to)	24	48
• Nominal Overall Diameter (mm)	9.4	11.9
• Nominal Weight (kg/km)	63	110
• Maximum installation load (EDS) (N)	600	1 100
• Maximum working load (N)	1 350	1 730
• Sag at EDS (m) (70 m span)	0.6	0.6
(100 m span)	1.3	1.3
• Deflection at worst load (m) (70 m span)	1.9	1.9
(100 m span)	3.2	3.2
• Termination grip slippage test (N)	>3 000	>3 000
• Minimum bend radius (mm)	100	150
• Crush resistance (N)(via 100 mm x 100 mm plate)	2 000	2 000
• Impact test (2 Nm blows / 25 mm anvil)	6	6
• Temperature Range (°C)	-20/+70	-20/+70

### Note:

The performance figures quoted in this document are specific to cable designed for tropical climates, anticipating no ice, but winds up to 125 km/h.



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