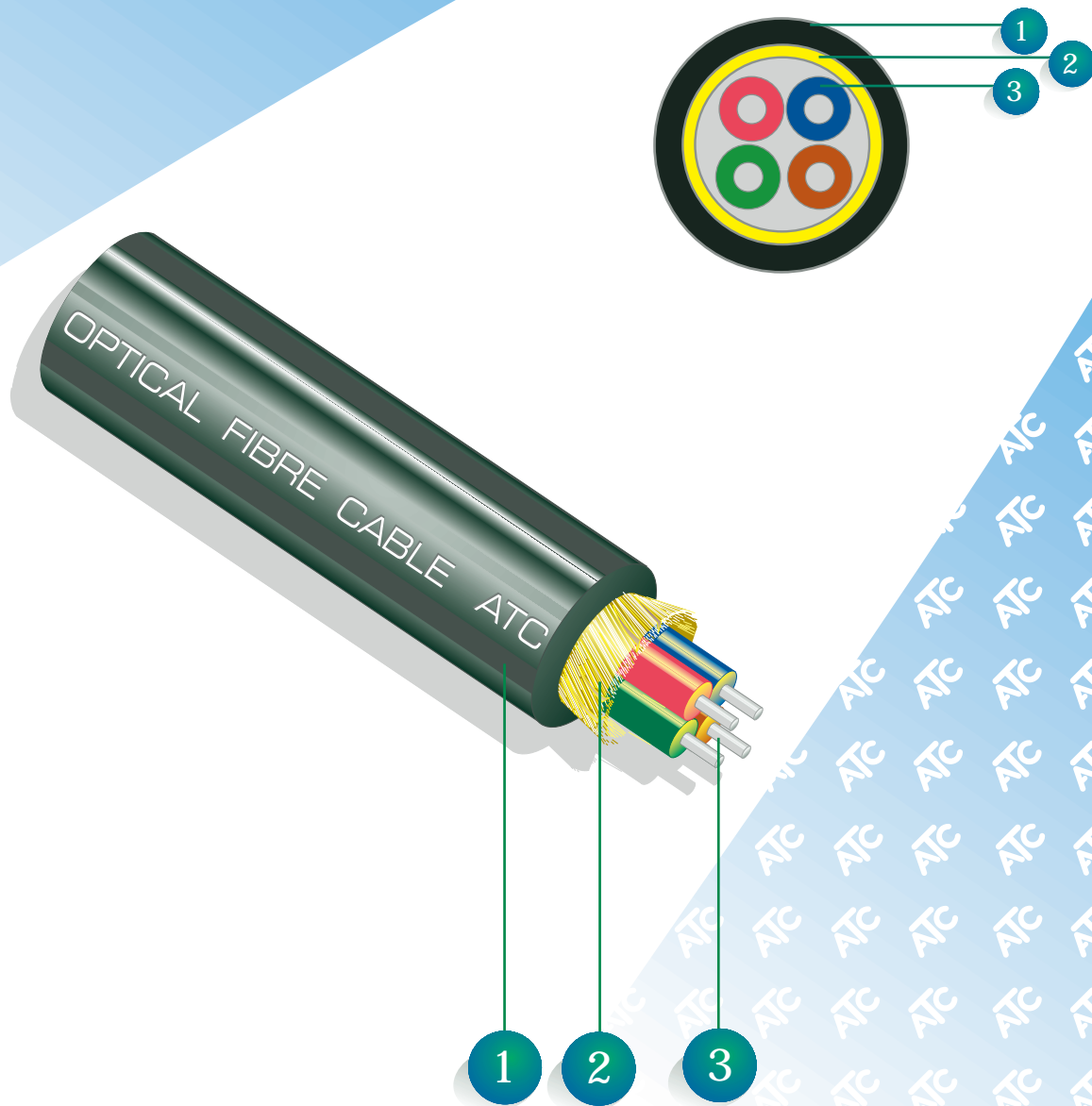




# FIELD DEPLOYABLE CABLE

(Tight buffered cable for re-usable, temporary or mobile links)



## Cable Description

1. Special thermoplastic polyester compound.
2. Aramid strength member.
3. Colour coded "easy strip", tight buffered fibres.

OUTDOOR  
OPTICAL  
FIBRE  
CABLE



# FIELD DEPLOYABLE CABLE

(Tight buffered cable for re-usable, temporary or mobile links)

## Product features

- The ATC “field deployable” cable is a compact, tight buffered cable specifically designed for military applications, but was later adapted to provide fast restoration of telephone links.
- As a temporary measure, the reusable cable can be used like a jumper, skirting the damaged section to a fixed optical installation in double quick time with the use of mechanical splices. This allows a maintenance team time to repair or replace damaged cable at leisure, and to link in this repaired cable with permanent fusion splices, outside of peak times.
- The cable is however suitable for a vast variety of applications where quick deployment and recovery is necessary, and has also been found to be ideal for mobile links.
- The cable will tolerate vertical installation and can support its own weight for considerable drops, making it ideal for risers, mine shafts, bore holes, etc.
- Ideally suited for point to point links, eliminating the need for fibre patchcords in many instances.
- The cable is small, lightweight, flexible, and will tolerate small bend radii, yet is surprisingly resistant to kinking, making it ideal for easy deployment and recovery.
- The special sheathing compound has been specifically chosen for its excellent abrasion and cut resistance, in order to withstand damage when deployed over hostile terrain.
- The sheath is well dosed with Carbon Black to give the cable excellent UV resistance.
- The fibres are protected by a tough easy strip, tight buffered polymer jacket or secondary coat.
- The fibres are individually coloured for easy of identification.
- The cable is non-metallic for lightning immunity.

## Typical properties

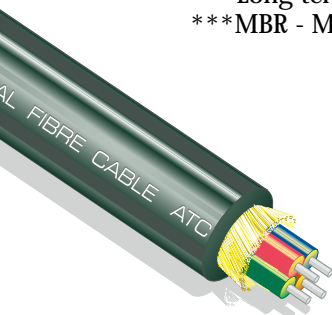
• Fibre count	2 or 4
• Cable diameter (mm)	5.4
• Cable weight (kg/km)	26
• Maximum tensile load - Short term (N) *	800
• Maximum tensile load - Long term (N) **	300
• Minimum number of flexing cycles at MBR ***	2 500
• Minimum bend radius (mm)	20
• Crush resistance (N) (via 100 mm x 100 mm plate)	800
• Impact resistance (2 Nm blows / 25 mm radius anvil)	2
• Temperature range (°C)	-20/+70
• Maximum unsupported vertical drop (m)	1000

Note:

\* Short term load is the load at which the fibre strain is less than one third of the fibre proof strain level.

\*\* Long term load is the load at which no fibre strain occurs.

\*\*\* MBR - Minimum Bending Radius.



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