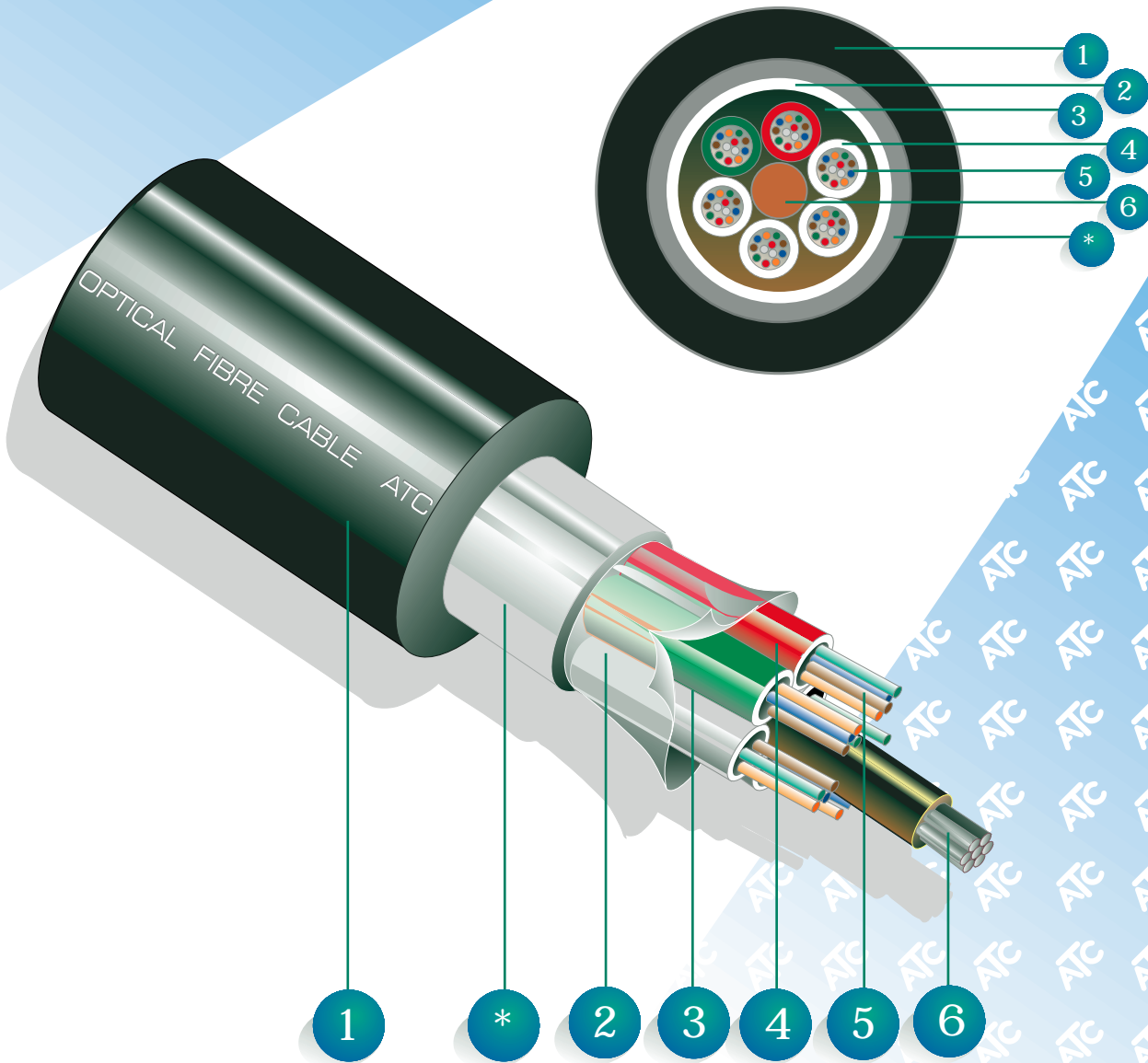




METALLIC DUCT CABLE

(Metallic reinforced, moisture-protected, loose tube cable)



Cable Description

1. Polyethylene outer sheath.
- *. Optional aluminium Polyethylene laminated tape.
2. Core binder.
3. Interstitial water blocking gel.
4. Gel filled loose tubes.
5. Colour coded fibres.
6. Polyethylene coated, compacted steel centre strength member.

OUTDOOR
OPTICAL
FIBRE
CABLE



METALLIC DUCT CABLE

(Metallic reinforced, moisture-protected, loose tube cable)

Product features

- The ATC “metallic duct” series are compact loose tube cables specifically designed for heavy duty duct applications.
- They can be highly populated with fibre, utilising duct space efficiently.
- The compacted steel strand centre member is adequately post formed, and thus ensures minimal torsional stress, which prevents cable spiralling, waving, twisting and kinking during installation.
- Each loose tube which has been stranded around the centre member, contains up to 12 individually coloured fibres, while additional identification is obtained by colouring the tubes.
- The series is furnished with a polyethylene jacketed, compacted steel centre strength member, which provides high strength at a competitive price.
- Available in a wide range of constructions on request, i.e. number of elements, tube size, and fibres per tube.
- A tough water resistant sheath, and a water blocking flooding compound, ensure its suitability for the duct environment.
- This series is often supplied with a polyethylene coated aluminium tape as indicated in the drawing. This affords additional protection against the ingress of water, as well as providing improved mechanical performance.

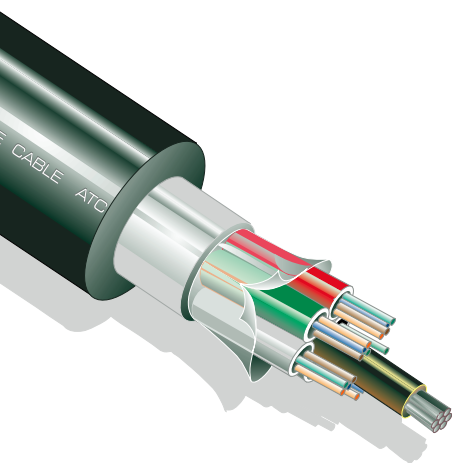
Typical properties

• Fibre count (up to)	36	72	96	120	144
• Diameter (mm)	12.0	14.4	16.3	18.4	20.3
• Weight (kg/km)	140	195	252	310	381
• Maximum short term load (N) *	2 000	4 000	4 800	4 800	4 800
• Maximum long term load (N) **	800	2 000	3 500	4 000	4 000
• Minimum bend radius (mm)	150	175	200	225	250
• Crush resistance (N) (via 100 mm x 100 plate)	5 000	5 000	5 000	5 000	5 000
• Impact test (2 Nm blows / 25 mm anvil)	10	10	10	10	10
• Temperature range (°C)	-20/+60	-20/+60	-20/+60	-20/+60	-20/+60

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.



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