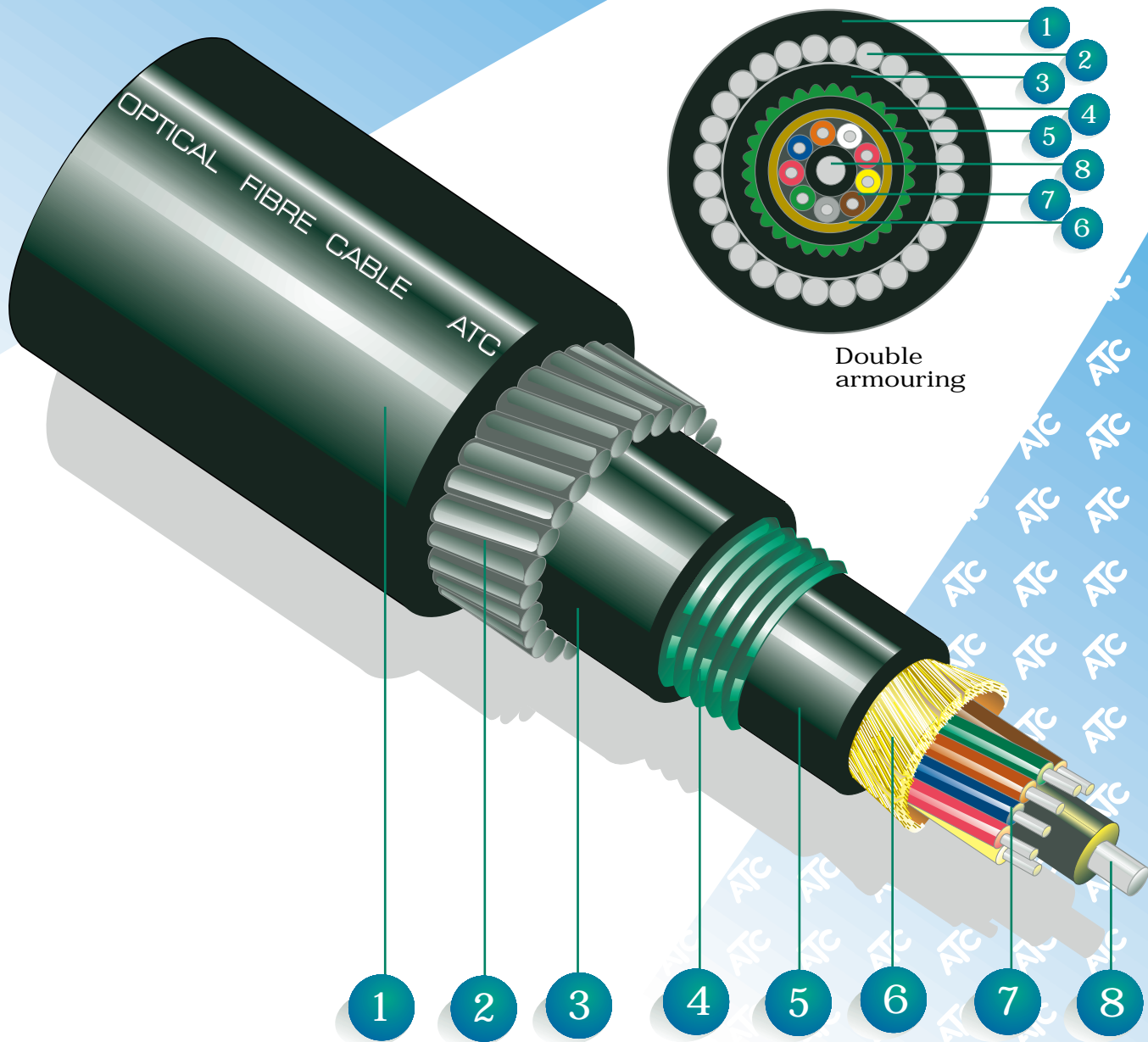




# MINESHAFT CABLE

(Tight buffered cable for the mining industry)



## Cable Description

1. Low Smoke Zero Halogen outer sheath (LSZH).
2. Galvanised Steel wire armour.
3. Low Smoke Zero Halogen bedding sheath (LSZH).
4. Plastic coated corrugated steel tape armour.
5. Low Smoke Zero Halogen bedding sheath (LSZH).
6. Aramid strength member.
7. Colour coded, easy strip, tight buffered fibres.
8. Non-metallic centre strength member.

OUTDOOR  
OPTICAL  
FIBRE

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Technical detail overleaf



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(Tight buffered cable for the mining industry)

## Product features

- The ATC “mineshaft cable” range has been specifically designed for installations in the mining environment, and therefore particular attention has been given to long vertical drops, high impact resistance, and safety requirements.
- They are therefore tight buffered cables which will tolerate vertical installations, and are strong enough to support their own weight for considerable drops.
- The combination of steel tape and steel wire is a proven concept for obtaining the maximum impact resistance.
- This same armoured combination will also ensure, via the longitudinally applied steel tape, that the torsional stress normally associated with steel wire armoured cable is eliminated, yet maintaining the high tensile strength obtained from the steel wires.
- The Low Smoke Zero Halogen, fire retardant, non-toxic, triple sheath design ensures maximum safety for a restricted area cabling system.
- These cables are suitable for direct burial, and will in fact provide the fibres with the necessary protection for almost any robust installation associated with heavy industry.
- All the other advantages such as chemical resistance, lightning resistance and rodent resistance outlined in the steel tape armoured data sheet, will also apply to this cable range.

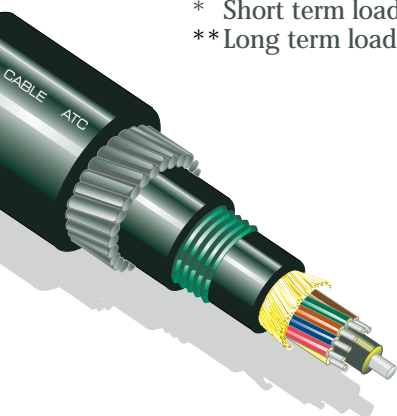
## Typical properties

• Fibre count (up to)	12
• Diameter (mm)	20
• Weight (kg/km)	750
• Maximum short term load (N) *	9 000
• Maximum long term load (N) **	4 000
• Minimum bend radius (mm)	250
• Crush resistance (N) (via 100 mm x 100 mm plate)	5 000
• Impact test (Nm) (via 25 mm anvil)	20
• Temperature range (°C)	-20/+70

### 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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