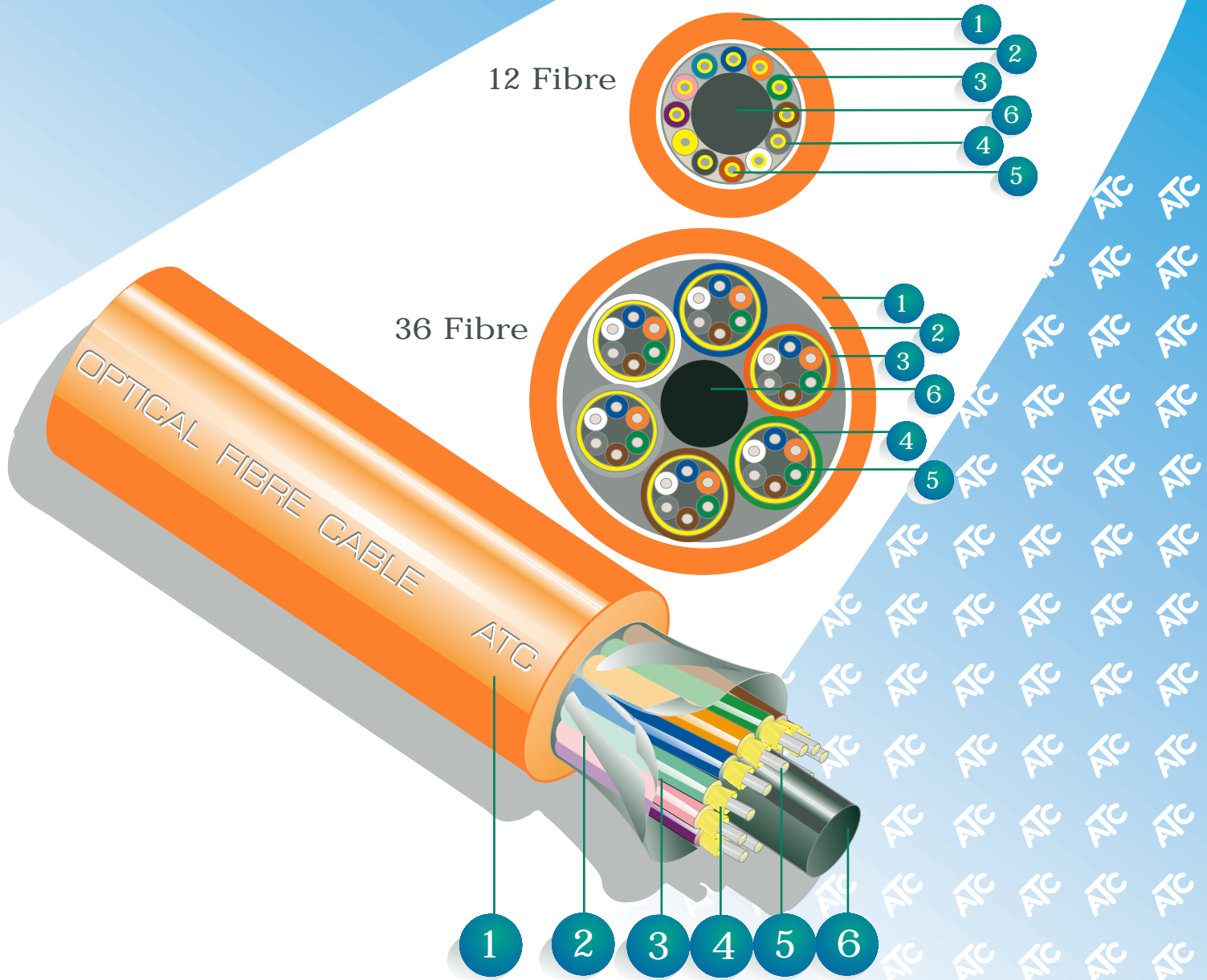


BREAKOUT CABLE

(Individually ruggedised tight buffer distribution cable)



Cable Description

1. Flame retardant PVC/LSZH outer sheath.
2. Core binder.
3. Colour coded flame retardant PVC/LSZH sheathed units.
4. Aramid strength member.
5. Easy strip tight buffered fibres.
6. Non-metallic centre strength member.

INDOOR
OPTICAL
FIBRE
CABLE



BREAKOUT CABLE

(Individually ruggedised tight buffer distribution cable)

Product features

- The ATC “breakout” series are cables made up from individually ruggedised tight buffered fibre units specifically designed for in-building distribution.
- They will tolerate vertical installation, making them ideal for risers.
- These cables are ideal for point to point links, eliminating the need for patchcords. After removal of the outer sheath the units can be fitted with conventional connectors. This can be done on site or pre-connectorised cable can be supplied.
- These cables have improved mechanical properties when compared with the ATC distribution series, and are therefore more suited for vulnerable indoor areas.
- The fibres are protected by a tough, easy strip, tight buffered polymer jacket or secondary coat.
- The standard cable has 2.5mm units, compatible with industry standard connectors, but other sizes are available on request.
- A non-metallic construction ensures lightning immunity.
- For cables with fibre counts greater than 12, a unit construction will be offered, and these cables will be custom designed.
- The cables are available in either flame retardant PVC or Low Smoke Zero Halogen (LSZH), fire retardant, non toxic sheaths to comply with the strictest building regulations.

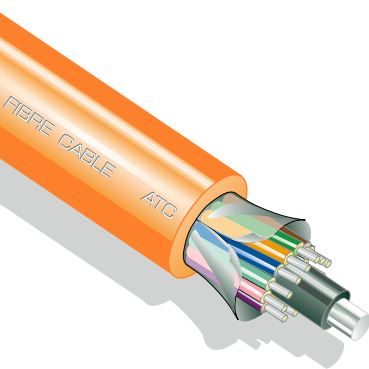
Typical properties

• Fibre count (up to)	4	6	8	10	12	18	36
• Cable diameter (mm)	8.1	9.8	11.3	12.9	14.4	14.8	20.1
• Cable weight (kg/km)	67	92	120	152	184	188	349
• Maximum tensile load - Short term (N)*	1 000	1 200	1 600	2 000	2 500	2 500	2 500
• Maximum tensile load - Long term (N)**	400	500	700	900	1 000	1 000	1 000
• Minimum bend radius (mm)	80	100	120	130	150	150	200
• Crush resistance (N) (via 100 mm x 100 mm plate)	2 000	2 000	2 000	2 000	2 000	2 000	2 000
• Impact resistance (2 Nm blows / 25mm anvil)	10	10	10	10	10	10	10
• Temperature range (°C)	-10/+40	-10/+40	-10/+40	-10/+40	-10/+40	-10/+40	-10/+40

NOTE: For details of a 2 fibre breakout design, see the flat twin breakout cable in the RUG data sheet.

* 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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