



RUGGEDISED ASSEMBLY CABLES

(Tight buffered cable for tails/patch cables/jumper cables)



Cable Description

1. Flame retardant PVC/LSZH outer sheath.
2. PVC/LSZH sheath.
3. Aramid strength member.
4. Easy strip tight buffered fibre.

INDOOR
OPTICAL
FIBRE
CABLE

Technical detail overleaf

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Product features

- The ATC “ruggedised” series are tight buffered cables, specifically designed for tails and patch cords, but are also ideal for indoor distribution in trunking and risers.
- The flat twin (or 2 fibre breakout cable) will tolerate short distance duct installation if care is taken not to exceed its maximum short term load.
- The cables are small, flexible and lightweight, yet remain exceptionally robust and can tolerate small bend radii, to promote ease of installation.
- The fibres are protected by a tough, easy strip, tight buffered nylon jacket or secondary coat.
- Buffer diameter is 900 microns for multimode fibre and 850 microns for single mode fibre.
- 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.
- The fibres in the zip cord and FDDI duplex, as well as the inner sheaths of the flat twin, are individually coloured for easy identification.
- Other standard sizes are also available on request.

Typical properties

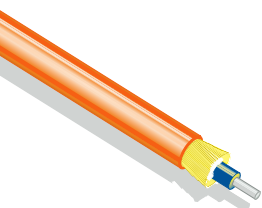
- Cable diameter (mm)
- Cable weight (kg/km)
- Maximum tensile load - Short term(N)*
- Maximum tensile load - Long term(N)**
- Minimum bend radius (mm)
- Crush resistance (N)(via 100 mm x 100 mm plate)
- Impact resistance (2 Nm blows / 25 mm anvil)
- Temperature range (°C)

Simplex	Duplex	Duplex FDDI	Flat twin
2.8	2.8x5.8	5	4.6x7.8
8.7	16.8	25	38
150	300	300	300
75	150	150	150
50	50	50	50
1 000	1 000	1 000	1 600
2	2	2	4
-10/+40	-10/+40	-10/+40	-10/+40

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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