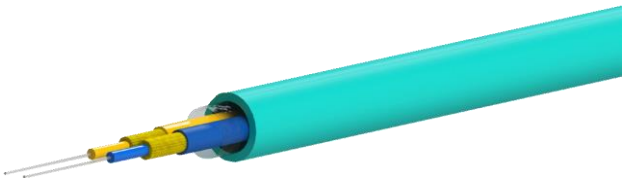
Breakout Series Fibre Optic Cable

Breakout series cable is ideal for installations requiring an extremely rugged and reliable cable design where maximum mechanical and environmental protection are necessary.

Breakout series cable is one of the simplest cables to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

The breakout series cable is available with a low smoke, zero halogen construction jacket in 9/125, 50/125 and 62.5/125 um fibre.



Applications

- Suitable for indoor/outdoor confined spaces
- Building risers
- Cable trays
- Central offices
- Infrastructure and industrial networks
- Underground subway stations and tunnels

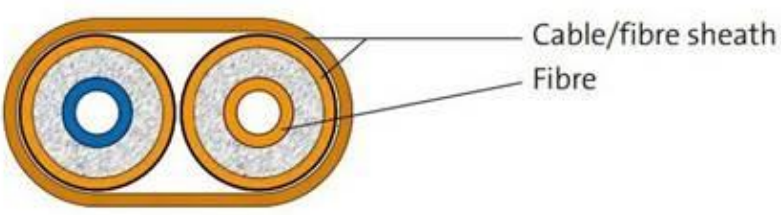
Features & Benefits

- High performance components and construction with excellent mechanical characteristics
- Rugged outer jacket design offers excellent protection of cable
- Ideal for use in long, vertical installations
- 2.0 mm sub-cables can be direct-terminated with standard connectors which provides additional strain relief for better connector retention during moves, adds, and changes
- Sub-cabled fibre is environmentally and mechanically protected with colour coded jackets
- Wide operating temperature range of -20°C to +70°C
- 2 to 12 fibres

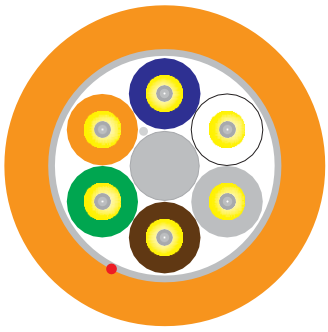
Breakout Series Fibre Optic Cable

Fibre Performance

Fibre type	OM1	OM3	OM4	SM(G652.D)
Attenuation at 850nm (db/km)	≤3.5	≤3.0	≤3.0	n/a
Attenuation at 1300/1310nm (db/km)	≤1.5	≤1.0	≤1.0	≤0.40
Attenuation at 1550nm (db/km)	n/a	n/a	n/a	≤0.30
Bandwidth at 850nm [1300nm] (MHz.km)	≥200 [≥500]	≥1500 [≥500]	≥3500 [≥500]	n/a



Rugged 2F



Technical Specifications

Temperature Range (°C)	Operating: -20 to +70 Storage: -20 to +70 Install: -20 to +70	(IEC 60794-1-2-F1)
Cable bend radius (cm)	15x cable diameter	(IEC 60794-1-2-E11A)
Max tensile force (N)	As per table below	(IEC 60794-1-2-E1)
Torsion resistance	5 Cycles (±180°), 2m length 2-6 Core: 20N, 8-24 Core: 50N	(IEC 60794-1-2-E7)
Crush resistance (N/100mm)	1000 for 300 seconds	(IEC 60794-1-2-E3)
Impact resistance	5J, 1 impact, 3 points	(IEC 60794-1-2-E4)

Cable Characteristics

Fibre Count	Nominal diameter (mm)	Weight (kg/km)	Installation max tensile load (N)	Operational max tensile load (N)	Min. bend radius (cm)
2	6.5	43	400	200	9.0
4	7.8	53	800	400	11.0
6	8.8	69	1000	500	13.0
8	10.0	91	1200	600	15.0
12	12.5	145	1500	750	18.0
24	15.0	210	1500	800	21.0

Please contact atg for more detail and delivery times