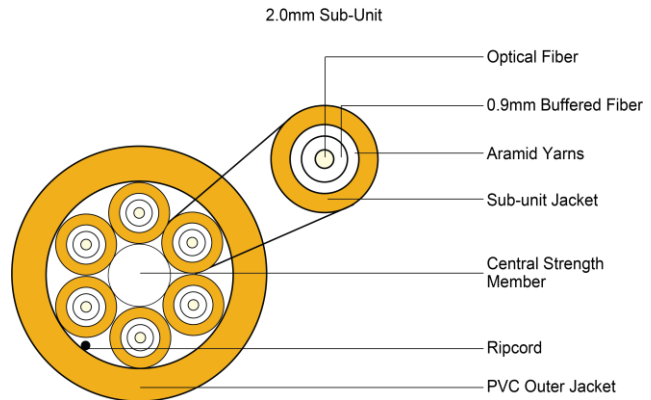


Fiber Optic, Breakout cable, Ruggedized, 2mm

Features and benefits

- Fiber-count 2-12 fibers
- 2.0mm strand/900-micron buffered fibers
- Fast and dependable installations
- Plenum (OFNP / FT6), LSZH, Riser OFNR (FT-4-ST1)
- OS2, OM1, OM2, OM3 and OM4 performance types
- Color-outer-jacket to denote performance
- Direct termination onto 2.0mm strands
- RoHS compliant
- Suitable for routing in trays, racks and under raised floors
- Available in 1.8mm, 2.4 mm, 2.9mm strands also



Description

Opterna fiber optic breakout cables are rugged, high performance optical communication cables suitable for inside plant installations. Fiber optic breakout cable contains multiple individual strands each with their own aramid strength member and jacket which makes the cable more robust and reliable for critical applications.

Breakout Cables are often used to connect two different locations or racks in a data center or central office. Rather than installing multiple individual patch cords, it is more cost effective and faster to install one high fiber-count cable. These cables can be terminated with connectors in the factory or alternatively they can be used for field-termination using speciality connectors.

Applications

- Data center
- Pre-terminated cable assemblies

Standards

- ITU.T G.652D / G.657A/B / G.651.1
- ANSI/TIA-568-C.3 / ISO/IEC 11801
- IEC 60793 / IEC 60794
- IEC 60332-1-2, IEC 60754-1,2 & IEC 61034-2

Mechanical characteristics

	2 fiber	4 fiber	6 fiber	8 fiber	12 fiber
Nominal diameter in (mm)	7.5	7.7	8	9.5	10.5
Nominal weight (kg/km)	50	55	65	85	95
Tensile load short term max. (N)	660	660	660	660	1320
Tensile load long term max. (N)	300	300	300	300	660

Crush load short term max. (N/cm)	35	35	35	35	35
Crush load long term max. (N/cm)	13	13	13	13	13
Min. bend radius loaded (mm)	150	154	160	190	210
Min. bend-radius installed (mm)	75	77	80	95	105

Transmission characteristics

Optical fiber	62.5/125 OM1 (850/1300)	50/125 OM2 (850/1300)	50/125 OM3 (850/1300)	50/125 OM4 (850/1300)	9/125 OS2 1310/1550
Attenuation (dB/km) Typical values	3.5/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.40/0.30
Minimum Bandwidth (MHz-km)	200/500	500/500	1500/500	3500/500	-
Ethernet link distance 10Gbps (m)	-	-	300	550	-
Ethernet link distance 1Gbps (m)	275/550	550/550	-	-	-

Environmental data

Temperature range	Value
Storage	- 20° C to +70° C
Operation	- 10° C to +60° C

Jacket colors

No.	SM	OM1/OM2	OM3	OM4
Color	Yellow	Orange	Aqua	Heather Violet
RAL	RAL 1018	RAL 2003	RAL 6027	RAL 4003

Ordering information

Description	Part code
Breakout cable, Low Smoke Zero Halogen Rated	FC-xxx-BTC-NA-20-yyy-LZ-zz
Breakout cable, Riser Rated	FC-xxx-BTC-NA-20-yyy-NR-zz
Breakout cable, Plenum Rated	FC-xxx-BTC-NA-20-yyy-NP-zz

xxx = OS2, 7A1, 7A2, 7B2, 7B3, 655, OM1, OM2, OM3, OM4
 yyy = Number of Cores
 zz = YL, OR, AQ, HV

Standard reel length 4000m