

2-12 Fiber Breakout Cable, Plenum



Features and Benefits

- 2.0mm sub-units
- 900µm tight buffered
- Flame Rating – NFPA262(Plenum)
- Available in all fiber types
- Color coded sub-units available as requested

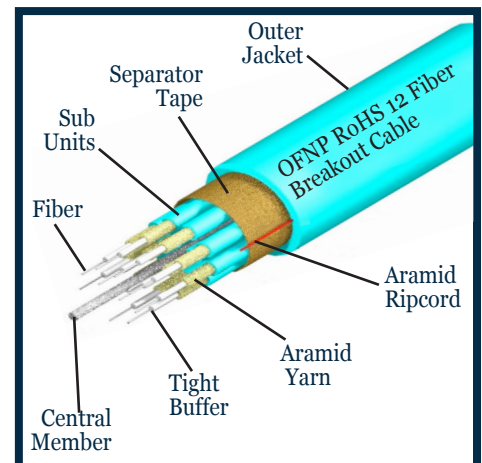
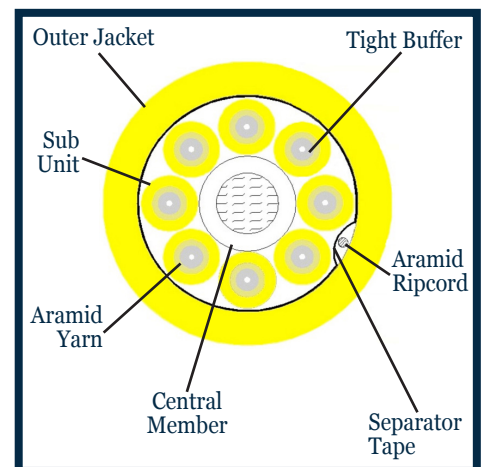
Description

The Light Connection 2 to 12 fiber Breakout Cable is composed of 2 to 12 sub-units, aramid yarn, an aramid ripcord, and a PVC outer jacket. Each sub-unit consists of a 900µm tight buffer surrounded by aramid yarn with a PVC jacket 2mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Sub-units can be color-coded or sequentially numbered.

TLC Breakout Cable is available in 12 TIA standard colors or special-order colors. UL Listed OFNP cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print can also be accommodated.

Application
Plenum

Flame Rating
NFPA262



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

Cable Characteristics

Fiber Count	2, 4, 6, 8, 12
Outer Jacket Material	Flame Retardant PVC
Sub Units	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Tight Buffer Material	Flame Retardant PVC

Physical Characteristics

	Value
Nominal Outer Diameter (mm) of 2, 4, 6, 8, 12 (fiber count)	8.80/ 8.80/ 9.00/ 9.60/ 10.70
Weight (lbs/ km) of 2, 4, 6, 8, 12, (fiber count)	140/ 150/ 182/ 232/ 276
Minimum Bend Radius, Installation (cm) of 2, 4, 6, 8, 12 (fiber count)	13.2/ 13.2/ 13.5/ 14.4/ 16.05
Minimum Bend Radius, Operation (cm) of 2, 4, 6, 8, 12 (fiber count)	8.80/ 8.80/ 9.00/ 9.60/ 10.70

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4
Core Size	9 um	62.5 um	50 um	50 um	50 um
Wavelength	(1310/ 1550) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm	(850/ 1300) nm
Max. Attenuation	(0.5/ 0.4) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km	(3.5/ 1.5) dB/ km
Bandwidth (EMB) (High Performance)	-	220 MHz @850nm	850 MHz @850nm	2000 MHz @850nm	4700 MHz @850nm
Link Length (10Gb/ s)	-	-	150 mtr	300 mtr	550 mtr

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3	OM4
2	S09BK02**NPY20-Y	M62BK02**NPO20-O	M50BK02**NPO20-O	M50BK02**NPA20-A	M50BK02**NPA20-A
4	S09BK04**NPY20-Y	M62BK04**NPO20-O	M50BK04**NPO20-O	M50BK04**NPA20-A	M50BK04**NPA20-A
6	S09BK06**NPY20-Y	M62BK06**NPO20-O	M50BK06**NPO20-O	M50BK06**NPA20-A	M50BK06**NPA20-A
8	S09BK08**NPY20-Y	M62BK08**NPO20-O	M50BK08**NPO20-O	M50BK08**NPA20-A	M50BK08**NPA20-A
12	S09BK12**NPY20-Y	M62BK12**NPO20-O	M50BK12**NPO20-O	M50BK12**NPA20-A	M50BK12**NPA20-A

Fiber Type (9/125) **

SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125) **

ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

Fiber Type (62.5/125) **

InfiniCor 300	C3
InfiniCor 1000	C1



132 Base Road
Oriskany, NY, 13424
Phone: 315-736-7384
Fax: 315-736-1927
Toll free: 1-888-571-7111
sales@thelightconnection.com
www.thelightconnection.com