

2-12 Fiber Breakout Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- 2.0mm sub-units
- 900µm tight buffered optical fiber
- Available in all fiber types
- Color coded sub-units available as requested

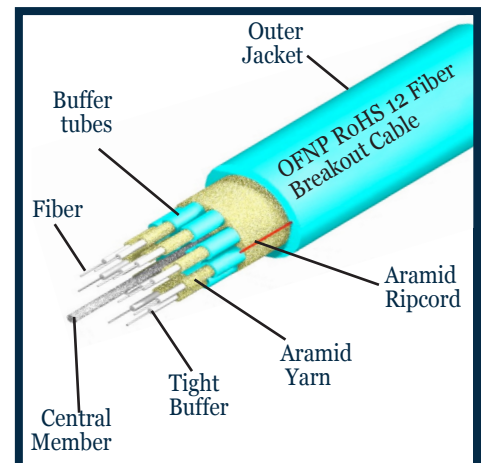
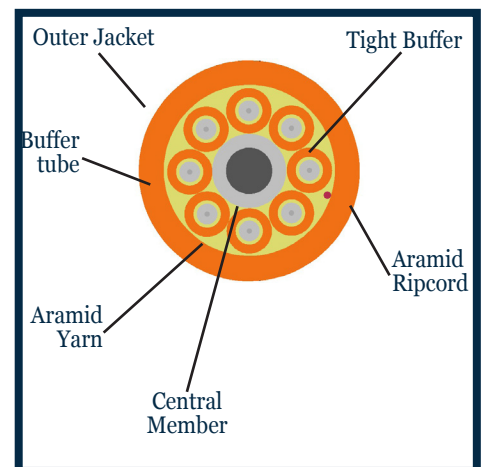
Description

The Light Connection, Inc. 2 to 12 fiber Breakout Cable is composed of 2 to 12 buffer tubes, aramid yarn, an aramid ripcord, and a PVC outer jacket. Each buffer tube consists of a 900µm tight buffered optical fiber surrounded by aramid yarn with a PVC jacket 2mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Buffer tubes may 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 unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may also be accommodated.

Application
Plenum

Flame Rating
NFPA 262



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
Buffer Tubes	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod
Tight Buffer Material	Flame Retardant PVC

Physical Characteristics

Value (2, 4, 6, 8, 12 fiber count)

Nominal Outer Diameter (mm)	8.80/ 8.80/ 9.00/ 9.60/ 10.70
Weight (lbs/ km)	140/ 150/ 182/ 232/ 276
Minimum Bend Radius, Installation (cm)	13.2/ 13.2/ 13.5/ 14.4/ 16.05
Minimum Bend Radius, Operation (cm)	8.80/ 8.80/ 9.00/ 9.60/ 10.70

Optical Characteristics

Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.5/ 1.5	3.5/1.5	3.0/ 1.0	3.0/ 1.0	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	–	220@850	750@850	2,000@850	4,700@850	4,700@850

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5
2	S09BK02**NPY20-Y	M62BK02**NPO20-O	M50BK02**NPO20-O	M50BK02**NPA20-A	M50BK02**NPLG20-LG
4	S09BK04**NPY20-Y	M62BK04**NPO20-O	M50BK04**NPO20-O	M50BK04**NPA20-A	M50BK04**NPLG20-LG
6	S09BK06**NPY20-Y	M62BK06**NPO20-O	M50BK06**NPO20-O	M50BK06**NPA20-A	M50BK06**NPLG20-LG
8	S09BK08**NPY20-Y	M62BK08**NPO20-O	M50BK08**NPO20-O	M50BK08**NPA20-A	M50BK08**NPLG20-LG
12	S09BK12**NPY20-Y	M62BK12**NPO20-O	M50BK12**NPO20-O	M50BK12**NPA20-A	M50BK12**NPLG20-LG

Fiber Type (9/125)	**	Fiber Type (50/125)	**	Fiber Type (62.5/125)	**
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
ClearCurve LBL	C7	Clear Curve OM3	CG		
ClearCurve ZBL	CC	ClearCurve OM4	C4		
		ClearCurve OM5	C5		



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