

Ribbon Cable, Plenum

www.TheLightConnection.com

Features and Benefits

- Aramid strength member
- Standard count is 12 fiber with other counts available
- Compatible with all the current industry termination products
- Fan-Out Kits are available

Description

The Light Connection, Inc. Ribbon Cable is composed of 2-12 bare colored optical fibers within an acetate matrix, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

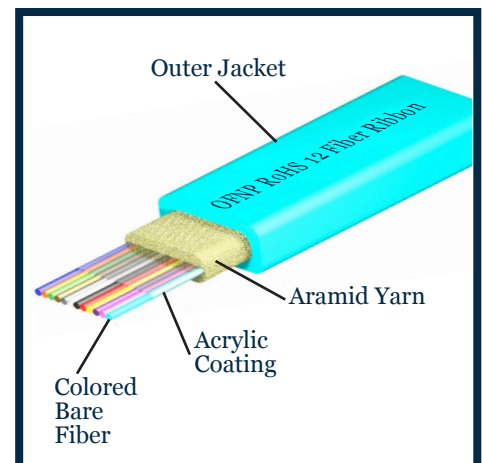
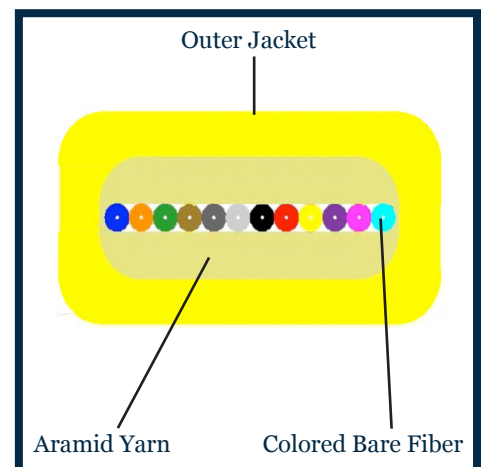
TLC Ribbon Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may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

Application

Plenum
Data Centers

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
Outer Jacket Color	Available in 12 TIA/ EIA color standard
Strength Member	Aramid Yarn

Physical Characteristics

Nominal Outer Diameter (mm)	2.35 x 4.75
Weight (lbs/ km) of 2, 4, 6, 8, 12 (fiber count)	12/ 14/ 16/ 18/ 20
Minimum Bend Radius, Installation (cm)	3.53
Minimum Bend Radius, Operation (cm)	2.35

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	S09RB02**NPY	M62RB02**NPO	M50RB02**NPO	M50RB02**NPA	M50RB02**NPLG
4	S09RB04**NPY	M62RB04**NPO	M50RB04**NPO	M50RB04**NPA	M50RB04**NPLG
6	S09RB06**NPY	M62RB06**NPO	M50RB06**NPO	M50RB06**NPA	M50RB06**NPLG
8	S09RB08**NPY	M62RB08**NPO	M50RB08**NPO	M50RB08**NPA	M50RB08**NPLG
12	S09RB12**NPY	M62RB12**NPO	M50RB12**NPO	M50RB12**NPA	M50RB12**NPLG

Fiber Type (9/125)

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SMF-28 Ultra	CZ
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125)

	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4
ClearCurve OM5	C5

Fiber Type (62.5/125)

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InfiniCor 300	C3



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