

Ribbon Cable, Riser

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

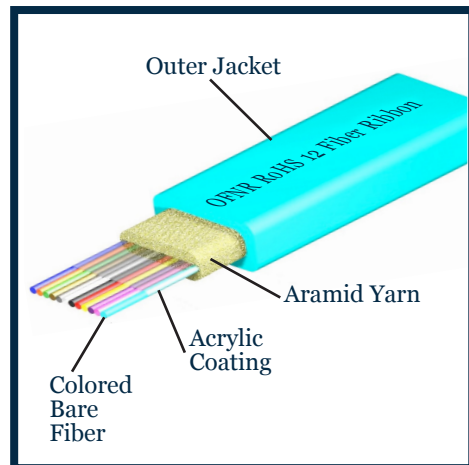
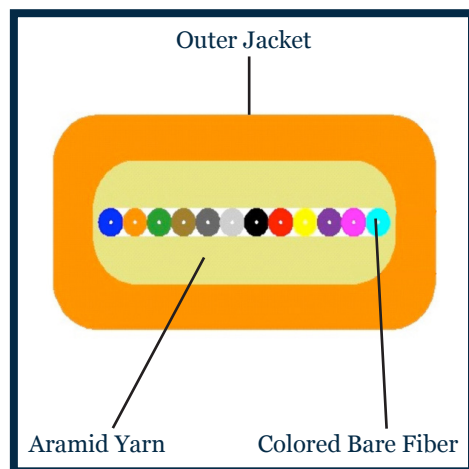
Description

The Light Connection, Inc, Ribbon Cable is composed of 2-12 colored bare 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 OFNR 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. Bare ribbon fiber also available.

Application
Riser

Flame Rating
UL 1666
UL 1685 (FT4)



SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	-20 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

	Value
Nominal Outer Diameter (mm)	2.35 x 4.75
Weight (lbs/ km) of 2, 4, 6, 8, 12 (fiber count)	11/ 13/ 15/ 17/ 19
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**NRY	M62RB02**NRO	M50RB02**NRO	M50RB02**NRA	M50RB02**NRLG
4	S09RB04**NRY	M62RB04**NRO	M50RB04**NRO	M50RB04**NRA	M50RB04**NRLG
6	S09RB06**NRY	M62RB06**NRO	M50RB06**NRO	M50RB06**NRA	M50RB06**NRLG
8	S09RB08**NRY	M62RB08**NRO	M50RB08**NRO	M50RB08**NRA	M50RB08**NRLG
12	S09RB12**NRY	M62RB12**NRO	M50RB12**NRO	M50RB12**NRA	M50RB12**NRLG

Fiber Type (9/125) **

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) **

InfiniCor 300	C3
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