

# Ribbon Cable, Plenum



## 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 Ribbon Cable is composed of 2-12 fiber, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

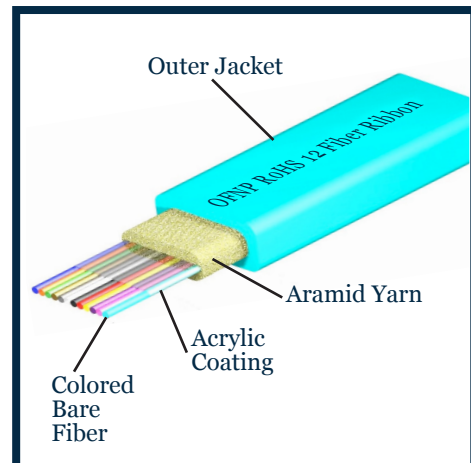
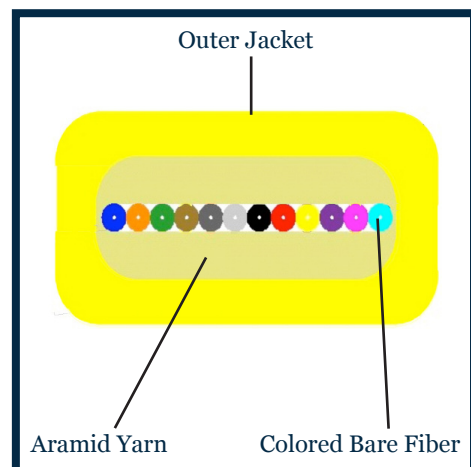
TLC Distribution Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNP cables are available, and unlisted, unrated cables can be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.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

## Application

Plenum  
Data Centers

## 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
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
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/ Size	Single Mode	OM1	OM2	OM3	OM4
2	S09RB02**NPY	M62RB02**NPO	M50RB02**NPA	M50RB02**NPA	M50RB02**NPA
4	S09RB04**NPY	M62RB04**NPO	M50RB04**NPA	M50RB04**NPA	M50RB04**NPA
6	S09RB06**NPY	M62RB06**NPO	M50RB06**NPA	M50RB06**NPA	M50RB06**NPA
8	S09RB08**NPY	M62RB08**NPO	M50RB08**NPA	M50RB08**NPA	M50RB08**NPA
12	S09RB12**NPY	M62RB12**NPO	M50RB12**NPA	M50RB12**NPA	M50RB12**NPA

### Fiber Type (9/125)

Fiber Type (9/125)	**
SMF-28 Ultra	CZ
SMF28e+	C
ClearCurve XB	CB
ClearCurve LBL	C7
ClearCurve ZBL	CC

### Fiber Type (50/125)

Fiber Type (50/125)	**
ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4

### Fiber Type (62.5/125)

Fiber Type (62.5/125)	**
InfiniCor 300	C3
InfiniCor 1000	C1



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