

Simplex Cable, Riser

www.TheLightConnection.com

Features and Benefits

- 3mm, 2mm, 1.8mm and 1.6mm OD sizes to meet all patch cord applications
- Available in custom colors

Description

The Light Connection, Inc. Simplex Cable is composed of a tight buffered optical fiber, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

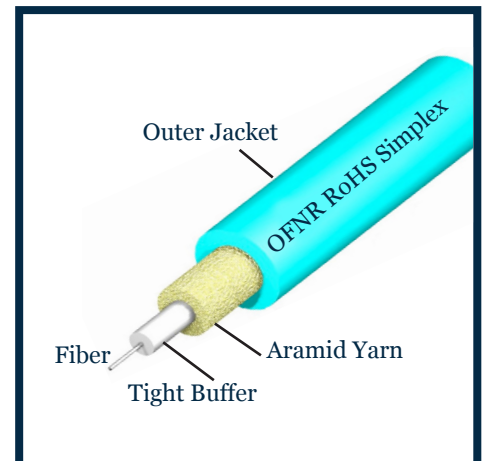
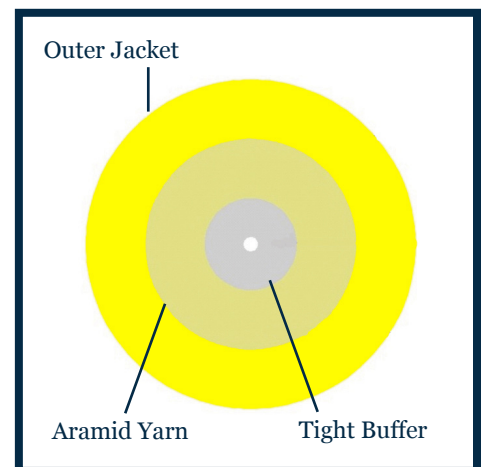
TLC Simplex Cable is available in 12 TIA standard colors or special order colors. UL Listed OFNR cables are available, and unrated cables may be supplied to accommodate special needs. Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers. Custom print may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

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	1
Outer Jacket Material	Flame Retardant PVC
Outer Jacket Color	Available in 12 TIA/EIA color standard
Strength Member	Aramid Yarn
Tight Buffer Material	Flame Retardant PVC
Tight Buffer Color	White

Physical Characteristics

Value

Nominal Outer Diameter (mm)	2.95 / 1.95 / 1.80 / 1.60
Weight (lbs/km)	17 / 13 / 9 / 6
Minimum Bend Radius (mm) (Bend Insensitive SM 1 turn)	10
Minimum Bend Radius (mm) (Bend Insensitive MM)	7.5

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/ Size	Single Mode	OM1	OM2	OM3-OM4	OM5
01 / 2.95mm	S09SX01**NRY	M62SX01**NRO	M50SX01**NRO	M50SX01**NRA	M50SX01**NRLG
01 / 1.95mm	S09SX01**NRY20	M62SX01**NRO20	M50SX01**NRO20	M50SX01**NRA20	M50SX01**NRLG20
01 / 1.80mm	S09SX01**NRY18	M62SX01**NRO18	M50SX01**NRO18	M50SX01**NRA18	M50SX01**NRLG18
01 / 1.60mm	S09SX01**NRY16	M62SX01**NRO16	M50SX01**NRO16	M50SX01**NRA16	M50SX01**NRLG16

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 OM4	C5

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



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