



STRUCTURED
CABLING PARTNER

SINGLE/MULTIMODE LOOSE TUBE OPTICAL CABLE

OPTIPLUS LOOSE TUBE OPTICAL CABLE offers cables with increased fiber density and easy deployment for a wide range of installations such as duct, aerial (lashed and self-supporting), direct buried, and indoor/outdoor. Optiplus SM/MM cables are manufactured with E-Glass strength members and Polyethylene (PE) or Low Smoke Zero Halogen (LSZH) jacket. The single/multiloose tube cables consist of 2 to 24, 250µm optical fibers in a single/multi gel filled loose tube.



Standards:

- ITU-T G652.B OS1
- ITU-T G652.D OS2
- ITU-T G651.1 OM1 OM2 OM3 OM4
- ANSI/TIA/EIA 568C.3
- ISO/IEC 11801
- ISO/IEC 24702
- IEC60793-2-10 type A1a.1/A1b OM1/OM2
- IEEE 802.3z Gigabit Ethernet

Features:

- Utilize bend insensitive optical fibers.
- Each fiber is colour coded for easy identification.
- Suitable for Indoor /Outdoor applications.
- E-Glass strength members for rodent resistance.
- Flame retardant LSZH jacket option for enhanced fire performance.

Technical Specifications:

DESCRIPTION		4-12 CORE	14-24 CORE	24-60 CORE	72 CORE	96 CORE	122 CORE	144 CORE
Outer Diameter	mm	6.5±0.3	6.7±0.3	10.5±0.4	11.1±0.4	12.6±0.4	14.1±0.4	15.6±0.4
Weight (LSZH)	Kg/Km	29/47	35/48	90/116	97/125	121/157	148/196	178/239
Max. Load (Installation)	N	1000	1000	1500	1500	1500	1500	1500
Max. Load (Installed)	N	500	500	600	600	600	600	600
Min Bend Radius (Installation)	mm	20D	20D	210	220	250	280	310
Min Bend Radius (Installed)	mm	10D	10D	105	110	125	140	155
Type		LSZH	LSZH	LSZH	LSZH	LSZH	LSZH	LSZH
Operating Temperature	°C	-20 - +60	-20 - +60	-40 - +70	-40 - +70	-40 - +70	-40 - +70	-40 - +70
Storage Temperature	°C	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60
Installation Temperature	°C	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60	-20 - +60
Max. Crush Resistance	N/100mm	1000	1000	2000	2000	2000	2000	2000

Optical Characteristics:

Type	Max. Attenuation (dB/Km)				Min. overfill Launch Bandwidth MHz-Km		Min. Gigabit Ethernet Support Distance (meters)		
	850nm	1300nm	1310nm	1550nm	850nm	1300nm	Gigabit		10 Gigabit
OM1 62.5/125µm	3.25	1.0			200	500	300	550	33
OM2 50/125µm	3.25	1.0			700	500	750	550	150
OM3 50/125µm	3.0	1.0			1500	500	1000	550	300
OM4 50/125µm	3.0	1.0			3500	500	1100	550	550
OS1 9/125 µm			0.40	0.30					
OS2 9/125 µm			0.40	0.30					

Ordering Information:

PART NUMBER	FIBER COUNT	Outer Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (Kg/Km)
OP-XX-115002	2	10.0	5	98.0
OP-XX-115004	4	10.0	5	98.0
OP-XX-115006	6	10.0	5	98.0
OP-XX-115012	12	10.0	5	98.0
OP-XX-1150024	24	10.0	5	98.0
OP-XX-1150048	48	11.5	6	120.0
OP-XX-1150096	96	13.6	8	154.0
OP-XX-11500144	144	17.5	12	275.0

Ordering Guide:

JACKET	FIBER TYPE (XX)	FIBER COUNT
LSZH	BM = 50/125 OM2 Multimode CM = 50/125 OM3 Multimode ES = 9/125 OS2 Singlemode	No. of Fiber

Colour Code:

BL-BLUE	BR-BROWN	RE-RED	PU-PURPLE
OR-ORANGE	GY-GREY	BK-BLACK	PI-PINK
GR-GREEN	WH-WHYTE	YE-YELLOW	AQ-AQUA



Optiplus Networks LLC

7950 NW 53RD Street, Suite 337,
Miami, FL.US 33166

Email: info@optiplusnetworks.com

Tel: +1 7868 716663

www.optiplusnetworks.com