



STRUCTURED
CABLING PARTNER

SINGLE/MULTIMODE LOOSE TUBE OPTICAL CABLE-ARMOURED

OPTIPLUS LOOSE TUBE OPTICAL CABLE is suitable for environments where impact protection is required. The single/multi loose tube cables consists of 2 to 24, 250µm optical fibers in a single/multi gel filled loose tube with longitudinally applied E-glass non-metallic strength members, Corrugated Steel Tape (CST) armouring and LSZH or HDPE jacket. Optiplus singlemode or multimode cables are suitable for external duct or direct burial installations.



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:

- Excellent attenuation performance.
- Rugged corrugated steel armor provides extra crush-resistance and rodent protection.
- Suitable for lashed aerial, duct, and underground conduit applications.
- Flame retardant LSZH jacket for enhanced fire performance or HDPE jacket for environmental protection and water permeation resistance.
- Suitable for external applications.

Technical Specifications:

DESCRIPTION		4-12 CORE	14-24 CORE	24-60 CORE	72 CORE	96 CORE	122 CORE	144 CORE
Outer Diameter	mm	10.0±0.4	10.5±0.4	12.0±0.4	12.6±0.4	14.1±0.4	15.6±0.4	17.1±0.4
Weight (LSZH)	Kg/Km	150/106	110/186	166/199	173/208	207/251	243/299	284/344
Max. Load (Installation)	N	1200	1200	1500	2900	2900	3300	3300
Max. Load (Installed)	N	600	600	600	1400	1500	1600	1600
Min Bend Radius (Installation)	mm	200	210	240	252	280	320	340
Min Bend Radius (Installed)	mm	100	110	120	126	140	160	170
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	2000	2000	3000	3000	3000	3000	3000

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	850nm
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
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-A115002	2	10.0	5	98.0
OP-XX-A115004	4	10.0	5	98.0
OP-XX-A115006	6	10.0	5	98.0
OP-XX-A115012	12	10.0	5	98.0
OP-XX-A1150024	24	10.0	5	98.0
OP-XX-A1150048	48	11.5	6	120.0
OP-XX-A1150096	96	13.6	8	154.0
OP-XX-A11500144	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-WHITE	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