

XGLO® Mini Outside Plant Loose Tube - Australia

Siemon mini-outside plant (OSP) fiber optic loose tube cables are ideal for campus, building-to-building interconnections, underground conduit and direct burial with proper sandbank filling installations. The cable features a condensed and light-weight design that contains gel and dry water-block technology, dielectric strength members for tensile strength, 250µm color coded fibers for easy fiber identification and a nylon outer jacket that decreases friction and provides protection against termites.

Ordering Information:

9PM(X)L(XXXX)-(XX)06SXGLO Multimode 50/125 OM3 and OM4 , Singlemode OS1/OS2

Type
P = Outside Plant, Loose Tube, Dry Core, Gel tube

Construction
M = Mini-Outdoor, Nylon Outer Jacket, Non-Armor

Fiber Type
5 = OM3, OM4, 50/125µm
8 = OS1/OS2 Singlemode

Jacket
L = LDPE (Low Density Polyethylene) sheath, Nylon Outer Jacket (Bonded to PE)

UOM/ ORGIN
S = Meter, Australia

Jacket Color
06 = Blue

Mode / Performance
T3 = OM3 50/125 µm, Laser Optimized
T5 = OM4 50/125 µm, Laser Optimized
E2 = OS1/OS2 Singlemode

Strand Count (Sub unit)
006D = 6 (1 Tube with 6 Fibers and Fillers)
012G = 12 (1 Tube with 12 Fibers and Fillers)
024G = 24 (2 Tubes with 12 Fibers and Fillers)
*048G = 48 (4 Tubes with 12 Fibers and Fillers)
*072G = 72 (6 Tubes with 12 Fibers and Fillers)
*096G = 96 (8 Tubes with 12 Fibers and Fillers)
*144G = 12 (12 Tubes with 12 Fibers)

*Offered in Singlemode only

Outer Jacket (Blue)
• Material: Nylon (Bonded to PE)

Sheath
• Material: LDPE (Low Density Polyethylene) Black

Core
• Dry Core - Water Swellable Elements

Rip Cord
• Applied longitudinally under cable jacket

Buffer Tubes
• Gel Filled - Color coded fiber and tubes
Tube/Filler Diameter
6 - 96 strand = 1.55mm
144 strand = 1.35mm

GRP Strength Member

Stranding
• Tubes and fillers SZ stranded around central strength member

FEATURES AND BENEFITS

- Compact design
- Greatly increases duct utilization
- Easy fiber Identification
- Color coded 250µm fibers
- Sheath/Jacket
- LDPE (low density polyethylene), non armor, black, sheath
- Nylon outer sheath bonded to PE (compliance with AS 1049), blue, jacket
- Water-Blocking Technology
- Gel fill tubes
- Dry core with water swellable materials
- All-Dielectric Strength Elements
- Compliance
- IEC 60794-1, IEC 60794-5, ACMA-AS/CA S008, AS 1049
- Water penetration IEC 60794-1-F5C

XGLO 300 Multimode 50/125, OM3		XGLO 550 Multimode 50/125, OM4		XGLO Singlemode, OS1 / OS2	
STANDARDS COMPLIANCE		STANDARDS COMPLIANCE		STANDARDS COMPLIANCE	
<ul style="list-style-type: none"> • ISO/IEC 11801-1:2017 • IEC 60794-3-10 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAC • IEC 60793-2-10 Fiber Type Ala.2 		<ul style="list-style-type: none"> • ISO/IEC 11801-1:2017 • IEC 60794-3-10 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 AAAD • IEC 60793-2-10 Fiber Type A1a.3 		<ul style="list-style-type: none"> • ISO/IEC 11801-1:2017 • IEC 60794-3-10 • ANSI/TIA-568.3-D • ANSI/TIA-598-D • ANSI/TIA-492 CAAB • ITU-T G.652 C/D 	
APPLICATIONS SUPPORT		APPLICATIONS SUPPORT		APPLICATIONS SUPPORT	
APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)	APPLICATION	DISTANCE (m)
10GBASE-S (850 nm)	300	10GBASE-S (850 nm)	550	10GBASE-L (1310 nm)	8,000
10GBASE-LX4 (1300 nm)	300	10GBASE-LX4 (1300 nm)	300	10GBASE-E (1550 nm)	30,000
1000BASE-S (850 nm)	1000	1000BASE-S (850 nm)	1100	10G Fiber Channel (Serial-1310 nm)	10,000
1000BASE-LX (1300 nm)	600	1000BASE-LX (1300 nm)	600	10G Fiber Channel (WDM-1310 nm)	10,000
Fiber Channel 266 (1300 nm)	1,500	Fiber Channel 266 (1300 nm)	1,500	1000BASE-LX (1300 nm)	5,000
ATM 622 (1300 nm)	500	ATM 622 (1300 nm)	500	Fiber Channel 266/1062 (1300 nm)	10,000
ATM 155 (1300 nm)	2,000	ATM 155 (1300 nm)	2,000	ATM 52/155/622 (1300 nm)	15,000
ATM 52 (1300 nm)	3,000	ATM 52 (1300 nm)	3,000		
FDD1 (Original-1300 nm)	2,000	FDD1 (Original-1300 nm)	2,000		
100BASE-FX (1300 nm)	2,000	100BASE-FX (1300 nm)	2,000		

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Minimum Performance Parameters for XGLO 50/125µm Multimode Fiber

Fiber Type	Guaranteed Gigabit Transmission Distance (m)		Guaranteed 10 Gigabit Transmission Distance (m)		Minimum Bandwidth (MHz •km)		Maximum Attenuation (dB/km)	
	850 nm	1300 nm	850 nm†	1300 nm††	850 nm	1300 nm	850 nm	1300 nm
50/125 (OM3)	1000	600	300	300	RML - 2000 OFL - 1500	OFL - 500	3.0	1.0
50/125 (OM4)	1100	600	550	300	RML - 4700 OFL - 3500	OFL - 500	3.0	1.0

† 10GBASE-S †† 10GBASE-LX4

Minimum Performance Parameters for XGLO Singlemode Fiber

Fiber Type	Wavelength nm	Maximum Attenuation (dB/km)
Singlemode (OS1/OS2)	1310	0.40
	1550	0.30

XGLO Mini Outside Plant-Loose Tube Physical Specifications

PHYSICAL SPECIFICATIONS (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension Installation kN	Nominal Net Weight kg/km
6	6.3	0.8	33
12	6.3	0.8	33
24	6.3	0.8	33
48	6.3	0.8	33
72	6.3	0.8	33
96	7.4	1.1	49
144	8.4	2.0	62

Fiber Count	Maximum Crush Resistance kN/100mm	Operating Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C (°F)	Minimum Bend Radius	
					Installation	Long Term
6 -72	1.0	-10 to 70 (-14 to 158)	0 to 50 (32 to 158)	-20 to 70 (-4 to 158)	20 x Cable OD	10 x Cable OD
96	1.5					
144	2.0					

Custom lengths are available upon request. Contact our Customer Service Department for more information.