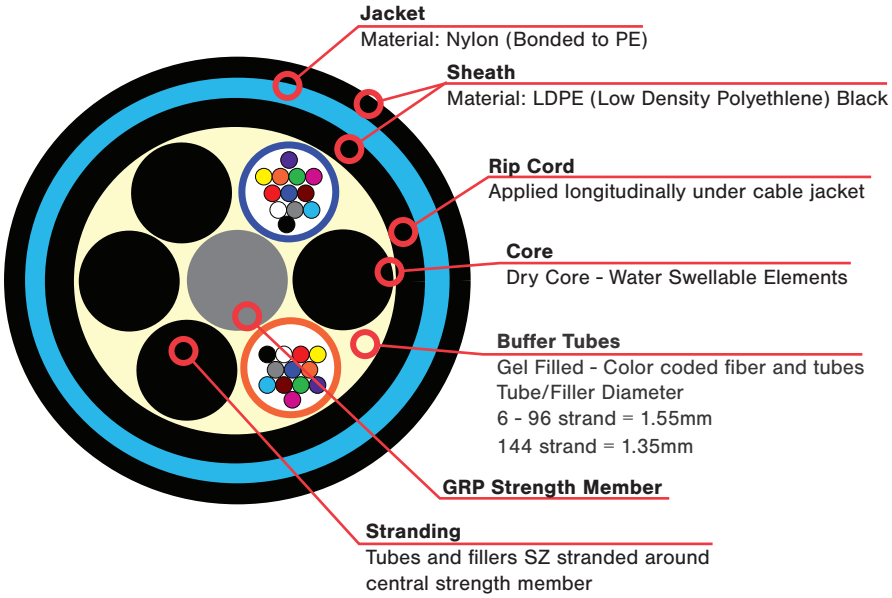
XGLO® External Mini Outside Plant Loose Tube (Sacrificial PE Sheath) -Australia

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. This loose tube dielectric optical cable is designed for external underground installations in (micro) ducts by pulling, blowing or floating techniques. Polyamide provides anti-termite protection.



FEATURES AND BENEFITS

- Multi-loose tube construction – Single layer 6 to 144 fibers
- Central strength member (CSM): Glass fiber reinforced plastic material (GRP) with or without over-sheathing
- Tube: Thermoplastic material, containing 6-12 optical fibers filled with a low viscosity, thixotropic, non-melting gel fully compatible with fiber coating and tube material
- Stranding: The required numbers of elements (tubes and fillers) are SZ stranded around the central strength member
- Longitudinal water tightness: Water swellable elements (dry-core)
- Sheath: UV stabilized polyethylene in compliance with AS 1049. Two rip cords provided beneath the sheath for easy removal
- Hard jacket: UV stabilized polyamide (Nylon) in compliance with AS 1049 integrally bonded to PE sheath
- Sacrificial sheath: UV stabilized polyethylene in compliance with AS 1049

Ordering Information

XGLO Singlemode OS1/OS2

9PM(X)P(XXXX)-(XX)01(X)

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

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

Fiber Type
8 = Singlemode, OS2

Fiber Jacket
P = LDPE (Low Density Polyethylene) sheath, Nylon intermediate jacket (Bonded to PE), UV stabilized PE outer jacket (sacrificial sheath)

Strand Count (Sub Unit)
006D = 6 (1 Tube with 6 Fibers and Fillers)
012G = 12 (1 Tubes 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 = 144 (12 Tubes with 12 Fibers and Fillers)*

***only available from China**

Mode/Performance
E2 = Singlemode, G652D

Jacket Color
01 = Black

UOM/ ORGIN
M = Meter, from China
S = Meter, from Australia

COMPLIANCE

- IEC 60794-1
- IEC 60794-5
- ACMA-AS/CA S008
- Water penetration IEC 60794-1-F5C

Product Information

Standards Complaiance

XGLO Singlemode, OS1/OS2
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 D

Application Support

XGLO Singlemode, OS1/OS2

Application	Distance (m)
10GBASE - L (1310 nm)	8,000
10GBASE- E (1550 nm)	30,000
10G Fiber Channel (Serial-1310 nm)	10,000
10G Fiber Channel (WDM-1310 nm)	10,000
1000BASE-LX (1300 nm)	5,000
Fiber Channel 266/1062 (1300 nm)	10,000
ATM 52/I55/622 (1300 nm)	15,000

Minimum Performance Parameters for XGLO Singlemode Fiber

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

Physical Specifications (All Values Are Nominal)

Fiber Count	Nominal Cable Diameter mm	Maximum Pulling Tension kN	Nominal Net Weight kg/km
6	7.3	1.0	43
12	7.3	1.0	43
24	7.3	1.0	43
48	7.3	1.0	43
72	7.3	1.0	43
96	8.4	2.0	61
144	9.4	2.0	75

Fiber Count	Maximum Crush Resistance kN/100mm	Operation Temperature °C (°F)	Installation Temperature °C (°F)	Storage Temperature °C (°F)	Minimum Bend Radius	
					Installation	Long Term
6-144	2.0	-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

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

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