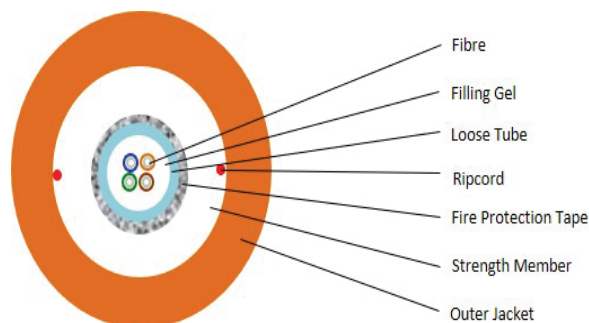


OMULG-12OS2SHF1

Description

Osilan's Outdoor Marine Unitube cable, Single Jacket are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor Marine Unitube design is perfect for direct burial applications and all outdoor installations. The cable quality and structure offer reliable transmission performance with additional crush and rodent protection.



Features

- Single SHF1 Jacket, Marine cables.
- Glass Yarn provide Fire-Resistant and rodent proof
- Single Gel-Filled Loose Tube – to block the ingress of water.
- 2-12 Fibre Counts 250µm primary coated fibres.

Application

- Suitable for Direct bury & outdoor duct installation
- Suitable for installation in harsh environments.
- Suitable for applications with mechanical protection needed.

Standards

- IEC 60332-25 (90min. @ 750°C)
- IEC 60332-3-22
- IEC 60332-1
- IEC 60754-1
- IEC 60754-2
- EN 50575

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

FIBRE COUNT	CABLE DIMENSION (MM)	CABLE WEIGHT (KG/KM)	TENSILE (N)		CRUSH (N/100MM)		MIN BEND RADIUS (MM)	
			LONG TERM	SHORT TERM	LONG TERM	SHORT TERM	DYNAMIC	STATIC
2	10.5	90	1000	3000	1000	2200	20D	10D
4	10.5	92	1000	3000	1000	2200		
6	10.5	95	1000	3000	1000	2200		
8	10.5	98	1000	3000	1000	2200		
12	10.5	105	1000	3000	1000	2200		

Cable Parameters

Items	Specifications
Loose Tube	3.5mm±0.1mm
Loose Tube Material	PBT
Outer Jacket Material	SHF1
Outer Jacket Colour	Red
Strength Members Material	Glass Yarn
Installation Temperature	-10°C to +60°C
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C

Fibre Parameters

Items	Specifications
Cladding Diameter	124.8±0.7 µm
Cladding Non-Circularity	≤0.7%
Core-Cladding Concentricity Error	≤0.5 µm
Coating Diameter	245±5 µm
Coating Non-Circularity	≤6.0%
Cladding-Coating Concentricity Error	≤12.0 µm
ITU-T Standards	G.652.D for SM G.651.1 for MM
Attenuation	1310nm ≤0.40 dB/km
	1550nm ≤0.30 dB/km
	850 nm ≤3.5 dB/km
	1300nm ≤1.5 dB/km

ORDERING INFORMATION

Part No.	Description
OMULG-12OS2SHF1	Outdoor Marine Unitube cable, Single Jacket, 12 fibre core, OS2, SHF1