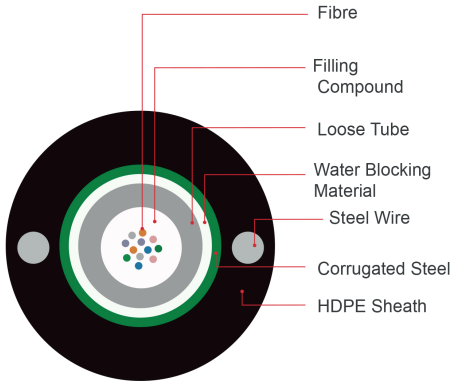
OULG-SA-2W08OM2HDPE

Description

Osilan's Outdoor Armoured Unitube cable, Single Jacket, and Single Armour with Two steel wires are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor Armoured 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 HDPE Jacket, Single Armour with Two Wire Steel cables.
- Corrugated Steel tape (CST) armoured provides rodent proof.
- Single Gel-Filled Loose Tube – to block the ingress of water.
- 2-24 Fibre Counts 250µm primary coated fibres. Colour-coded according to TIA-598-C.

Application

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

Standards

- ISO 11801 2nd Edition
- EN 50173-1
- IEC 60794-1

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
4	9.8	100	600	1500	300	1000	10D	20D
8	10.6	124	1000	3000	1000	1000		
12	10.6	124	1000	3000	1000	1000		
16	12	147	1000	3000	1000	1000		
24	12	147	1000	3000	1000	1000		

Cable Parameters

Items	Specifications
Loose Tube	1.95mm±0.05mm
Loose Tube Material	PBT
Outer Jacket Material	HDPE
Outer Jacket Colour	UV Black
Temperature range	-20°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 ≤0.36 dB/km 1550nm ≤0.25 dB/km 850 nm ≤3 dB/km 1300nm ≤1 dB/km

ORDERING INFORMATION

Part No.	Description
OULG-SA-2W08OM2HDPE	Outdoor Armoured Unitube cable, Single Jacket, Single Armour with Two steel wires, 8 fibre core, OM2, HDPE