

OSLG-SA144OM2HDPE

Description

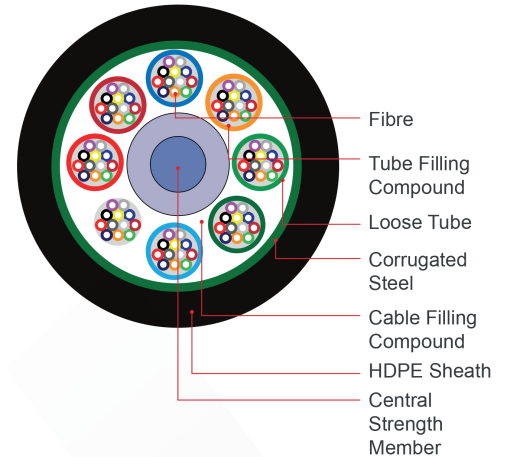
Osilan's Outdoor Armoured Stranded Tube cable, Single Jacket, and Single Armour with Corrugated Steel Tape are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor Armoured Stranded Tube design is perfect for direct burial applications and all outdoor installations. The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

Features

- Single Jacket, Single Armour cable.
- Corrugated Steel tape (CST) armoured provides rodent proof.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- Multi Gel-Filled Loose Tubes – to block the ingress of water.

Application

- Suitable for telecom access lines & WAN backbones.
- Suitable for Direct bury and outdoor duct installation.
- Suitable for installation in harsh environments.
- Suitable for applications with mechanical protection needed.



Standards

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

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

FIBRE COUNT	TUBES	FILLERS	CABLE DIAMETER (MM)	CABLE WEIGHT (KG/KM)	TENSILE (N)		CRUSH (N/100MM)		MIN BEND RADIUS (MM)	
					LONG TERM	SHORT TERM	LONG TERM	SHORT TERM	DYNAMIC	STATIC
24	4	1	9.5	100	600	1500	300	1000	10D	20D
48	4	1	11	136	1000	3000	300	1000		
72	6	0	12	155	1000	3000	300	1000		
96	8	0	13.6	192	1000	3000	300	1000		
144	12	0	16.9	227	1000	3000	300	1000		
216	18	0	16.9	227	1000	3000	300	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
OSLG-SA144OM2HDPE	Outdoor Armoured Stranded Loose Tube cable, Single Jacket, Single Armour, 144 fibre core, OM2, HDPE