

OSLG-AD144OS2HDPE

Description

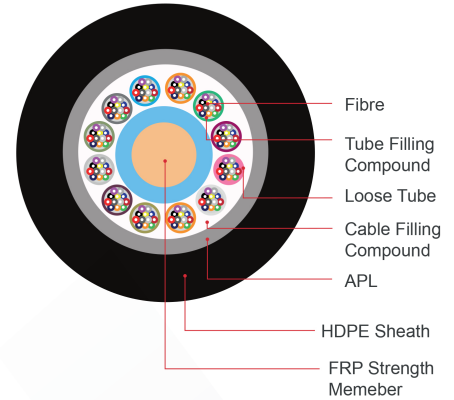
Osilan's Outdoor All-Dielectric Stranded Tube cable, Single Jacket, and All-Dielectric with Aluminium Polyethylene Laminated tape (APL) are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor All-Dielectric Stranded Tube design is perfect for Aerial Applications and all outdoor installations. The cable quality and structure offer reliable transmission performance with additional crush and rodent protection.

Features

- Single Jacket, All-Dielectric cable.
- Aluminium Polyethylene Laminated tape (APL) provides Waterproof.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- Multi Gel-Filled Loose Tubes – to block the ingress of water.

Application

- Suitable for Aerial Applications.
- Suitable for Direct bury & outdoor duct installation.
- Suitable for installation in harsh environments.



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-AD144OS2HDPE	Outdoor All-Dielectric Stranded Loose Tube cable, Single Jacket, Single Armour, 144 fibre core, OS2, HDPE