

OSLG-2SA144OM4HDPE

Description

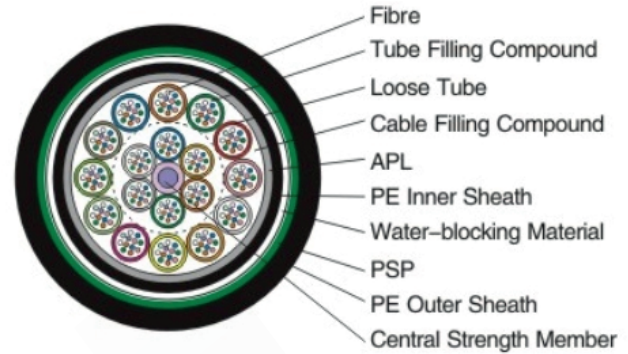
Osilan's Outdoor Double Armoured Stranded Tube cable, Double Jacket, and Double Armour are the optimal choices for any backbone in Outside Plant (OSP) Installations. The Outdoor Double Armoured Stranded Tube design is perfect for direct burial applications and all outdoor installations. The cable quality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

Features

- Double Jacket, Double Armour Cable.
- Double 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 Direct bury & outdoor duct installation.
- Suitable for installation in harsh environments.
- Suitable for applications with mechanical protection and impact resistance needed.



Standards

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

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	2	13.7	190	1000	3000	3000	1000	12.5D	25D
48	4	1	15.3	229	1000	3000	3000	1000		
72	6	0	15.9	244	1000	3000	3000	1000		
96	8	0	18	288	1000	3000	3000	1000		
144	12	0	21.3	373	1000	3000	3000	1000		
216	18	0	21.3	373	1000	3000	3000	1000		

Cable Parameters

Items	Specifications
Loose Tube	1.95mm±0.05mm
Loose Tube Material	PBT
Outer Jacket Material	LSZH
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-2SA144OM4HDPE	Outdoor Armoured Stranded Loose Tube cable, Double Jacket, Double Armour, 144 fibre core, OM4, HDPE