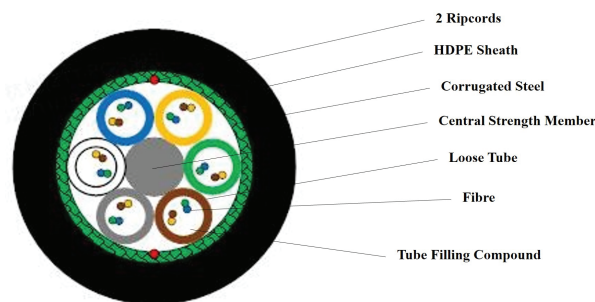


OSMLG-SA144OS2HDPE

Description

Osilan's Outdoor Armoured Stranded Multi 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 Multi 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	FIBRES PER TUBE	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	6	4	9.9±0.05	102	600	1500	300	1000	20D	10D
48	12	4	14±0.05	204	1000	3000	300	1000		
72	18	4	17.1±0.05	306	1000	3000	300	1000		
96	24	4	19.8±0.05	408	1000	3000	300	1000		
144	36	4	24.2±0.05	612	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
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C
Installation Temperature	-10°C to +50°C

Fibre Parameters

Items	Specifications
Cladding Diameter	125±1.0 µm
Cladding Non-Circularity	≤1.0%
Core-Cladding Concentricity Error	≤0.6 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
Attenuation	1310nm ≤0.36 dB/km 1550nm ≤0.22 dB/km

ORDERING INFORMATION

Part No.	Description
OSMLG-SA144OS2HDPE	Outdoor Armoured Stranded Multi Loose Tube cable, Single Jacket, Single Armour, 144 fibre core, OS2, HDPE