

OSLG-2SA-48OS2-3HDPE

Description

Osilan's Outdoor Double Armoured Stranded Loose Tube cable, Triple Jacket, and Double Armour are the optimal choices for any backbone in Outside Plant (OSP) Installations. The Outdoor Double Armoured Stranded Loose 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

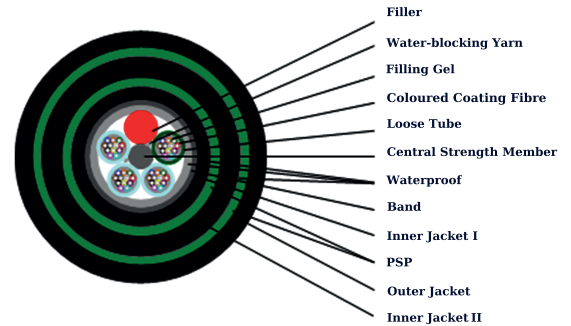
- Triple Jacket, Double Armour Cable.
- Double Corrugated Steel tape (CST) armoured provides rodent proof.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- Multi Gel-Filled Loose Tubes – to block the ingress of water.

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
- IEC 60794-1
- EN 50173-1



Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	600
Tension (Short Term)	N	1500
Crush (Long Term)	N/100mm	1000
Crush (Short Term)	N/100mm	3000
Min. Bend Radius (Dynamic)	mm	30D
Min. Bend Radius (Static)	mm	15D

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
Attenuation	1310nm ≤0.36 dB/km 1550nm ≤0.25 dB/km

Cable Parameters

Items	Specifications
Loose Tube	2.0mm±0.05mm
Loose Tube Material	PBT
Outer Jacket Material	HDPE
Outer Jacket Colour	UV Black
Fibre count	48
Loose tube/Filler	4/1
Inner Jacket I(mm)	7.3mm±0.3mm
Inner Jacket II(mm)	12.0mm±0.3mm
Outer Jacket(mm)	17.3mm±0.5mm
Central Strength Member(mm)	1.5
Temperature range	-20°C to +60°C
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C

ORDERING INFORMATION

Part No.	Description
OSLG-2SA-48OS2-3HDPE	Outdoor Armoured Stranded Loose Tube cable, Triple Jacket, Double Armour, 48 fibre core, OS2, HDPE