

OSLG-SA0240M2HDPE

Description

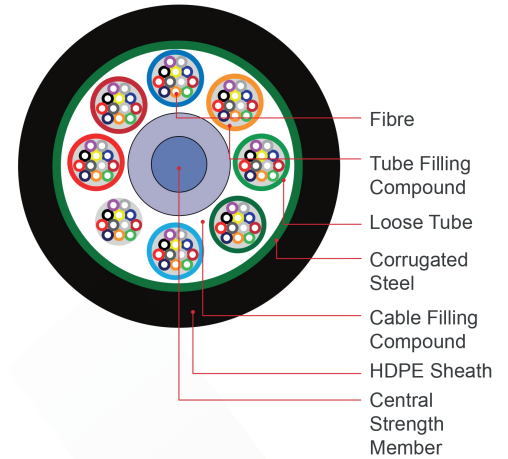
Osilan's Outdoor Armoured Stranded Tube cable, Single Jacket, and Single Armour with Corrugated Steel Tape are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor Armoured Stranded Tube design is perfect for direct burial applications and all outdoor installations. The 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-SA0240M2HDPE | Outdoor Armoured Stranded Loose Tube cable, Single Jacket, Single Armour, 24 fibre core, OM2, HDPE |