

OSLG-2SA048OM4HDPE

Description

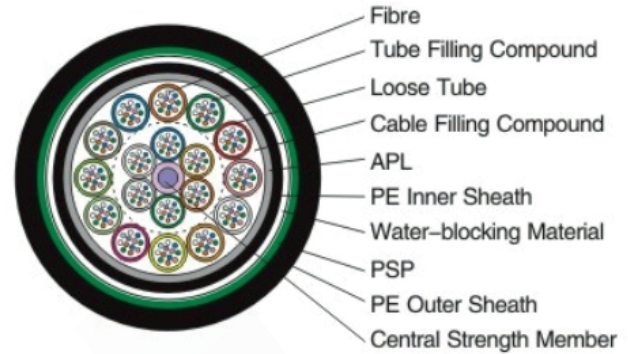
Osilan's Outdoor Double Armoured Stranded Tube cable, Double Jacket, and Double Armour are the optimal choices for any backbone in Outside Plant (OSP) Installations. The Outdoor Double Armoured Stranded Tube design is perfect for direct burial applications and all outdoor installations. The cable quality 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-2SA048OM4HDPE | Outdoor Armoured Stranded Loose Tube cable, Double Jacket, Double Armour, 48 fibre core, OM4, HDPE |