

## OULG-SA-24OS2HDPE

### Description

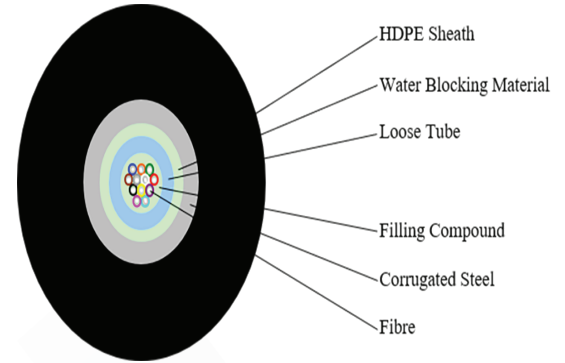
Osilan's Outdoor Armoured Unitube cable, Single Jacket, and Single Armour are the optimal choice for any backbone in Outside Plant (OSP) Installations. The Outdoor Armoured Unitube design is perfect for direct burial applications and all outdoor installations. The cable quality and structure offer reliable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

### Features

- Single HDPE Jacket, Single Armour cables.
- Corrugated Steel tape (CST) armoured provides rodent proof.
- Single Gel-Filled Loose Tube – to block the ingress of water.
- 2-24 Fibre Counts 250µm primary coated fibres. Colour-coded according to TIA-598-C.

### Application

- Suitable for Direct bury & 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 | CABLE DIMENSION (MM) | CABLE WEIGHT (KG/KM) | TENSILE (N) |            | CRUSH (N/100MM) |            | MIN BEND RADIUS (MM) |        |
|-------------|----------------------|----------------------|-------------|------------|-----------------|------------|----------------------|--------|
|             |                      |                      | LONG TERM   | SHORT TERM | LONG TERM       | SHORT TERM | DYNAMIC              | STATIC |
| 4           | 9.8                  | 100                  | 600         | 1200       | 300             | 1000       | 20D                  | 10D    |
| 8           | 10.6                 | 124                  | 600         | 1200       | 300             | 1000       |                      |        |
| 12          | 10.6                 | 124                  | 600         | 1200       | 300             | 1000       |                      |        |
| 16          | 12                   | 147                  | 600         | 1200       | 300             | 1000       |                      |        |
| 24          | 12                   | 147                  | 600         | 1200       | 300             | 1000       |                      |        |

#### Cable Parameters

| Items                 | Specifications |
|-----------------------|----------------|
| Loose Tube            | 3.0mm±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<br>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  |
|-------------------|--|
| OULG-SA-24OS2HDPE | Outdoor Armoured Unitube cable, Single Jacket, Single Armour, 24 fibre core, OS2, HDPE |