

## OULG-SA-2W12OS2HDPE

## Description

Osilan's Outdoor Armoured Unitube cable, Single Jacket, and Single Armour with Two steel wires 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.

# Fibre Filling Compound Loose Tube Water Blocking Steel Wire Corrugated Steel HDPE Sheath

#### **Features**

- Single HDPE Jacket, Single Armour with Two Wire Steel 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
- EN 50173-1
- IEC 60794-1

#### 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	1500	300	1000		
8	10.6	124	1000	3000	1000	1000		
12	10.6	124	1000	3000	1000	1000	10D	20D
16	12	147	1000	3000	1000	1000		
24	12	147	1000	3000	1000	1000		
	4 8 12 16	FIBRE COUNT DIMENSION (MM)  4 9.8  8 10.6  12 10.6  16 12	FIBRE COUNT DIMENSION (MM) WEIGHT (KG/KM)  4 9.8 100  8 10.6 124  12 10.6 124  16 12 147	FIBRE COUNT (MM) (MM) (MG/KM) LONG TERM  4 9.8 100 600  8 10.6 124 1000  12 10.6 124 1000  16 12 147 1000	FIBRE COUNT (MM) (MM) (KG/KM) LONG TERM TERM  4 9.8 100 600 1500  8 10.6 124 1000 3000  12 10.6 124 1000 3000  16 12 147 1000 3000	FIBRE COUNT (MM) CABLE WEIGHT (KG/KM) LONG TERM TERM TERM  4 9.8 100 600 1500 300  8 10.6 124 1000 3000 1000  12 10.6 124 1000 3000 1000  16 12 147 1000 3000 1000	CABLE	CABLE   CABLE   CABLE   WEIGHT   CABLE   WEIGHT   CABLE   WEIGHT   CABLE   WEIGHT   CABLE   CABLE   WEIGHT   CABLE   C

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			
	1310nm ≤0.36 dB/km			
Attenuation	1550nm ≤0.25 dB/km			
	850 nm ≤3 dB/km			
	1300nm ≤1 dB/km			

ORDERING INFORMATION								
Part No.		Description						
OULG-SA-2W12OS2HDPE	Outo	loor Armoured Unitube cable, Single Jacket, Single Armour with Two steel wires, 12 fibre core, OS2, HDPE						