

## OULG-SA-2W24OM3HDPE

## 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 (MM)  4 9.8  8 10.6  12 10.6  16 12	FIBRE COUNT (MM) WEIGHT (KG/KM)  4 9.8 100  8 10.6 124  12 10.6 124  16 12 147	FIBRE COUNT (MM) CABLE WEIGHT (KG/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) (EIGHT (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 LONG 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	Tensile (N)   CABLE   WEIGHT (KG/KM)   LONG   TERM   TERM   TERM   TERM   TERM   TERM   TERM	FIBRE COUNT (MM) CABLE WEIGHT (KG/KM) LONG TERM TERM TERM TERM TERM DYNAMIC  4 9.8 100 600 1500 300 1000  8 10.6 124 1000 3000 1000 1000  12 10.6 124 1000 3000 1000 1000  16 12 147 1000 3000 1000 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			
	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-2W24OM3HDPE	Outdoo	Armoured Unitube cable, Single Jacket, Single Armour with Two steel wires, 24 fibre core, OM3, HDPE					