

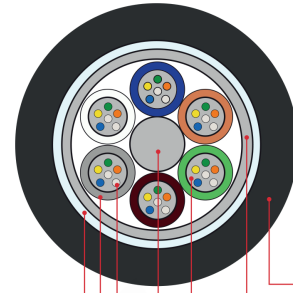
## IOSLG-SA144OM4H

### Description

Osilan's In/Outdoor Armored Stranded loose tube Cable, Single Jacket, Single Armour with Corrugated Steel Tape (CST), these low smoke zero halogen rated cables are the optimal choice for backbone in Campus and building environments. The In/Outdoor Armored Stranded loose tube design is perfect for installation in ducts and ideal for connecting entrance facilities, equipment rooms, and telecommunications rooms. The cable structure offers water-blocking and added rodent protection.

### Features

- Single Jacket, Single Armour Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Corrugated Steel tape (CST) armoured provides rodent proof.
- Multi Gel-Filled Loose Tubes – to block the ingress of water.
- 250µm primary coated fibres. Colour-coded according to TIA-598-C.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- Glass Yarn water-blocking system to offer strength and basic rodent protection.



- Out Sheath
- Corrugated Steel Tape
- Filling Compound
- Steel Wire Strength Member
- Fibre
- Loose Tube
- Water Blocking System

### Application

- Suitable for installation on trays & used for direct burial.
- Suitable for telecom access lines and for building drop connections.
- Suitable for internal/external duct installations in building and campus backbone applications.

### Standards

- ISO 11801 2nd Edition
- TIA 568 C.3
- EN 50173
- EN 50575: Euroclass Eca
- EN 60332-1
- IEC 61034-2
- IEC 60794-2
- ANSI/ICEA S-83-596
- CSA FT4
- CSA FT6

#### MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

FIBRE COUNT	CABLE DIMENSION (MM)	CABLE DIMENSION (KG/KM)	CABLE WEIGHT (KG/KM)	TENSILE (N)		CRUSH (N/100MM)		MIN BEND RADIUS (MM)		RANGE OF TEMP (C)
				LONG TERM	SHORT TERM	LONG TERM	SHORT TERM	DYNAMIC	STATIC	
24	4	9.5	100	600	1500					
48	4	11	136							
72	6	12	155			300	1000	20D	10D	-20-+60
96	8	13.6	192	1000	3000					
144	12	16.9	227							

#### 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
IOSLG-SA144OM4H	In/Outdoor Armored Stranded loose tube Cable, Single Jacket, Single Armour, 144 fibre, OM4, low smoke zero halogen (LSZH), Eca-Rated