

## IODSU-120M4H

### Description

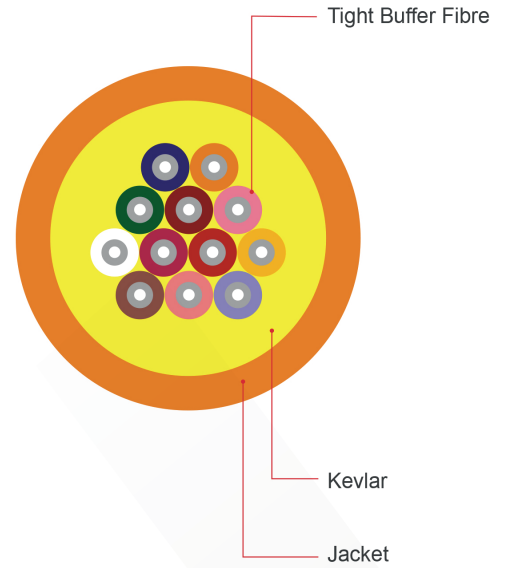
Osilan's In/Outdoor Distribution Single Unit Cable, an all-dielectric non-metallic design with low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for backbone in Campus and building environments. The In/Outdoor Distribution Single Unit design and 900 µm Tight Buffered fibre is perfect for quick breakout, and easy termination and ideal for connecting entrance facilities, equipment rooms, and telecommunications rooms. The cable structure offers water-blocking and added rodent protection.

### Features

- Single Jacket, All-Dielectric, Gel-Free Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Aramid Yarn offers strength and basic rodent protection.
- 900µm primary coated fibres. Colour-coded according to TIA-598-C.

### Application

- Suitable for internal and interbuilding use.
- Suitable for LAN/WAN campus, building and Data Centre backbone infrastructure.
- Suitable for indoor and outdoor installations in conduit



### 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 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	
4	5.0	19.0	130	440	200	1000	20D	10D	-20+60
8	5.5	26.0	130	440	200	1000			
12	6.5	36.5	200	660	200	1000			
16	7.5	44.5	200	660	200	1000			
24	8.2	54.5	200	660	200	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
IODSU-120M4H	In/Outdoor Distribution Single Unit Cable, Tight Buffered, All-Dielectric, Single Jacket, 12 fibre, OM4, low smoke zero halogens (LSZH), Eca-Rated