

IDSU-120M4H

Description

Osilan's Indoor Distribution Single Unit Cable, an all-dielectric non-metallic design with a low smoke zero halogen (LSZH) Single Jacket, are the optimal choice for any backbone inside a building environment. The Indoor Distribution Single Unit design is perfect for intrabuilding installations and ideal for cabling between telecommunication rooms to individual outlets throughout the building's conduits, ducts and floors, 900 µm Tight buffered fibre is perfect for a quick breakout with easy termination. The cable structure offers water-blocking and added rodent protection.

Features

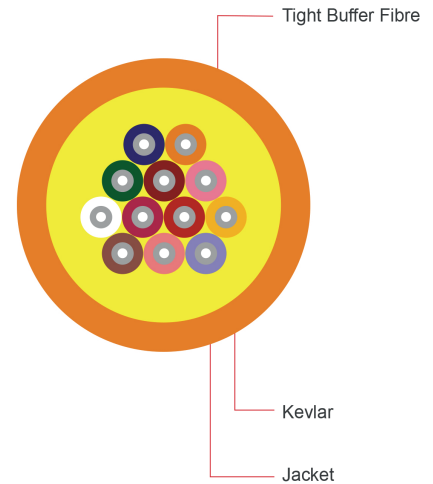
- Single Jacket, All-Dielectric, Gel-Free Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Aramid Yarn offers strength and Basic rodent protection.
- 900µm primary coated fibres. Colour-coded according to TIA-598-C.

Application

- Suitable for internal and intrabuilding use
- Suitable for indoor installations in conduit
- Suitable for LAN campus, building and Data Centre backbone infrastructure

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
6	5.2	23.0	130	440	200	1000			
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			
36	9.0	72.0	200	660	200	1000			
48	10.5	90.0	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
IDSU-120M4H	Indoor Distribution Single Unit Cable, Tight Buffered, All-Dielectric, Single Jacket, 12 fibre, OM4, low smoke zero halogens (LSZH), Eca-Rated