

IDMU-144OS2H

Description

Osilan's Indoor Distribution Multi-Unit Cable, an all-dielectric non-metallic design with a low smoke zero halogen (LSZH) Single Jacket, is the optimal choice for any backbone inside a building environment. The Indoor Distribution Multi-Unit design is perfect for intrabuilding installations and ideal for cabling between telecommunication rooms. The 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

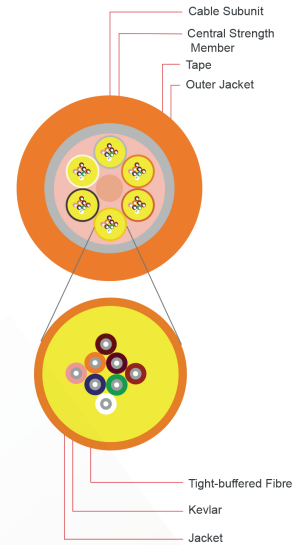
- Single Jacket, All-Dielectric, Gel-Free Cable.
- Halogen-free, flame-retardant LSZH jacket.
- Aramid Yarn offers strength and Basic rodent protection.
- Single Fibre Reinforced Plastic (FRP) as a central strength member.
- 900µm primary coated fibres. Colour-coded according to TIA-598-C.

Application

- Suitable for internal and intrabuilding use.
- Suitable for horizontal and vertical installations.
- Suitable for LAN 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	SUBUNIT COUNT	FIBRE COUNT IN EACH UNIT	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	
16	4	4	12.5	125.0	400	1320	3000	1000	20D	10D	-20-+60
24	6	4	15.0	183.0	40	1320	300	1000			
36	6	6	17.0	238.0	400	1320	300	1000			
48	6	8	18.5	292.0	400	1320	300	1000			
64	8	8	22.0	410.0	400	1320	300	1000			
72	6	12	22.5	39.0	400	1320	300	1000			
96	8	12	25.5	546.0	600	1500	300	1000			
144	12	12	35.5	1144.0	800	2000	300	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
IDMU-144OS2H	Indoor Distribution Multi-Unit Cable, Tight Buffered, All-Dielectric, Single Jacket, 144 fibre, OS2, low smoke zero halogens (LSZH), Eca-Rated