

Sub-unitised Micro Cable

Indoor Premise Micro Cable

Indoor Premise Micro Cables are constructed using 250-micron LSZH fibres, available in single element construction for 12-24F fibre applications, as well as high fibre count sub-unitised cables from 24-144F. All Micro Cable sheaths are LSZH, including internal sub-unit jackets in the ruggedised and sub-unitised cables.

Features

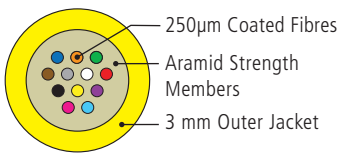
- Single element 3 mm, 12F to 24F
- Single element ruggedised, 4.8 mm (12F) and 4.5 mm (24F)
- Sub-unitised, 2 mm 12F subs, 24F to 144F
- LSZH inner and outer jackets
- Aramid or centre tensile strength members within all cables

Applications

- Headend termination to a fibre 'backbone'
- Termination of fibre rack systems
- Intra-building 'backbones'
- MTP to MTP or MTP to single fibre connector terminations

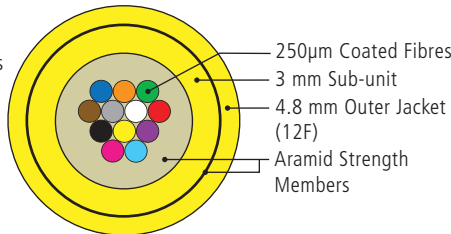
Cable Components

Single Element 12F, 3 mm



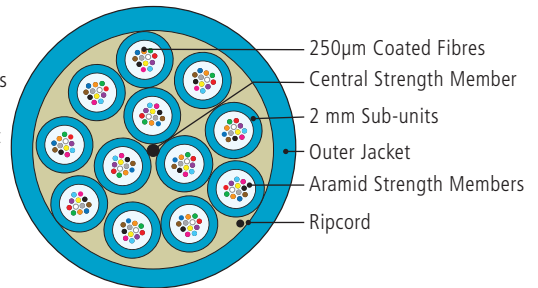
- 250µm Coated Fibres
- Aramid Strength Members
- 3 mm Outer Jacket

Ruggedised 12F, 4.8 mm



- 250µm Coated Fibres
- 3 mm Sub-unit
- 4.8 mm Outer Jacket (12F)
- Aramid Strength Members

Sub-unitised 144F, 12 x 2 mm 12F Subs



- 250µm Coated Fibres
- Central Strength Member
- 2 mm Sub-units
- Outer Jacket
- Aramid Strength Members
- Ripcord

Fibre Specifications

PART NO. DESIGNATOR*	FIBRE TYPE	ISO/IEC	MAXIMUM ATTENUATION (dB/km)			
			850 nm	1300 nm	1310 nm	1550 nm
4	Multimode OM4	OM4	2.3	0.6	N/A	N/A
K	Single-mode G.657.A1	OS1/OS2	N/A	N/A	0.34	0.20

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Mechanical Data

CABLE TYPE	PART NO.	FIBRE COUNT	NOMINAL DIAMETER	NOMINAL WEIGHT	MAX. TENSILE (INSTALLATION)	MIN BEND RADIUS (mm)	
			(mm)			(KG/KM)	(N)
Single Element	C*DQAJ+ZZZ	12	3	7	200	62	31
	C*DQCJ+ZZZ	24	3	7	200	62	31
Ruggedised	C*GKAJ+EZZ	12	4.8	20	660	100	50
	C*DSCJ+ZZZ	24	4.5	22	400	94	47
12-Fibre Sub-units	C*FUCJ+ZZZ	24	7.0	49	660	105	70
	C*FUEJ+ZZZ	36	7.0	49	660	105	70
	C*FUFJ+ZZZ	48	7.0	49	660	105	70
	C*FWHJ+ZZZ	72	10.5	125	660	158	105
	C*FWRJ+ZZZ	96	10.5	125	660	158	105
	C*FXKJ+ZZZ	144	10.3	100	660	155	103

Note: Fibre Type - Replace (*) in part number with character in the Fibre Specifications table on previous page.

† Outer Jacket Colour – Replace (†) in the part number with character in the Cable Jacket Colour table below..

Outer Jacket Colour (†)

1 - Blue	8 - Black
2 - Orange	9 - Yellow
3 - Green	A - Violet
4 - Brown	B - Pink
5 - Grey	C - Aqua
6 - White	D - Erika Violet
7 - Red	

Temperature Specifications

TEMPERATURE RANGE	
Installation	0°C to +50°C
Operation	-20°C to +60°C
Storage	-20°C to +60°C

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
IEC	61034-1, 61034-2	Cable
IEC	60332-1	Cable
IEC	60754-1, 60754-2	Cable
IEC	60794	Cable
IEC	60793	Fibre
ITU-T	G.657.A1 / G.651.1	Fibre
ISO/IEC	11801	Fibre

Contact AFL for further details