

Multi-Fibre Micro Cable Assemblies with 2mm Tails

Micro cable ruggedized pre-terminated assemblies with 2mm tails. They feature low loss optical performance, while the 2mm tail structure is ideal for applications where the cable is non-protected, ex. outside patch panels, ODFs and wall boxes. The overall small and compact size of these assemblies improves cable management and airflow in rack systems.

Applications

- Data centres
- FTTx
- Telecommunication networks
- Internal short links
- Ideal for drop cable and high density applications
- Outside panels, ODFs and wall boxes applications

Features

- Compact size and low weight
- Improved cable management
- Low loss performance
- 2mm tails
- Up to 144 fibres
- Available with various optical connectors
- Available in standard and reduced bend sensitivity OM1, OM2, OM3, OM4 and OS1/OS2(G.652.D, G.657A1) fibre
- LSZH, OFNP or OFNR jacket option
- 100% Factory terminated and tested

Specifications

ELEMENT	CHARACTERISTIC
Fibre	G.652D, G.657A1, OM1, OM2, OM3, OM4
Tail Dimensions	2mm Simplex Tails Fanout (Standard), 2mm Simplex Tails Staggered configuration with Pulling Element (Optional)
Terminations	LC, SC, ST, FC, E2000
Cable Construction	Double Jacket 12-24 Core Micro Cable
Cable Diameter	24 Core Max 4.5 ± 0.3mm
Crush Resistance	1000N/100mm
Cable Tensile Strength	(Short/Long) 400N/150N
Cable Strength Member	Aramid
Storage Temperature	-20 ~ +60°C
Installation Temperature	-5 ~ +50°C
Operating Temperature	-20 ~ +60°C
Tail Protection	Bubble Wrap (Standard), Reusable Sock/Protection tube (Optional)
Packaging	Length ≤100mtr: HD Bag Length >100mtr: Drum

Connector Performance

OPTICAL PERFORMANCE*	MM PREMIUM	MM STANDARD	SM PREMIUM	SM STANDARD	CONFORMANCE
IL Max/Master (Acceptance)	0.15dB	0.25dB	0.15dB	0.25dB	IEC 61300-3-4
Ave/Master	0.08dB	0.15dB	0.12dB	0.18dB	IEC 61300-3-4
Ave/Random	0.10dB	0.20dB	0.12dB	0.18dB	IEC 61300-3-34
RL (Min Acceptance)	NA	NA	55/65**	55/65**	IEC 61300-3-6

*Connector Performance table does not refer to E2A terminations. **UPC/APC

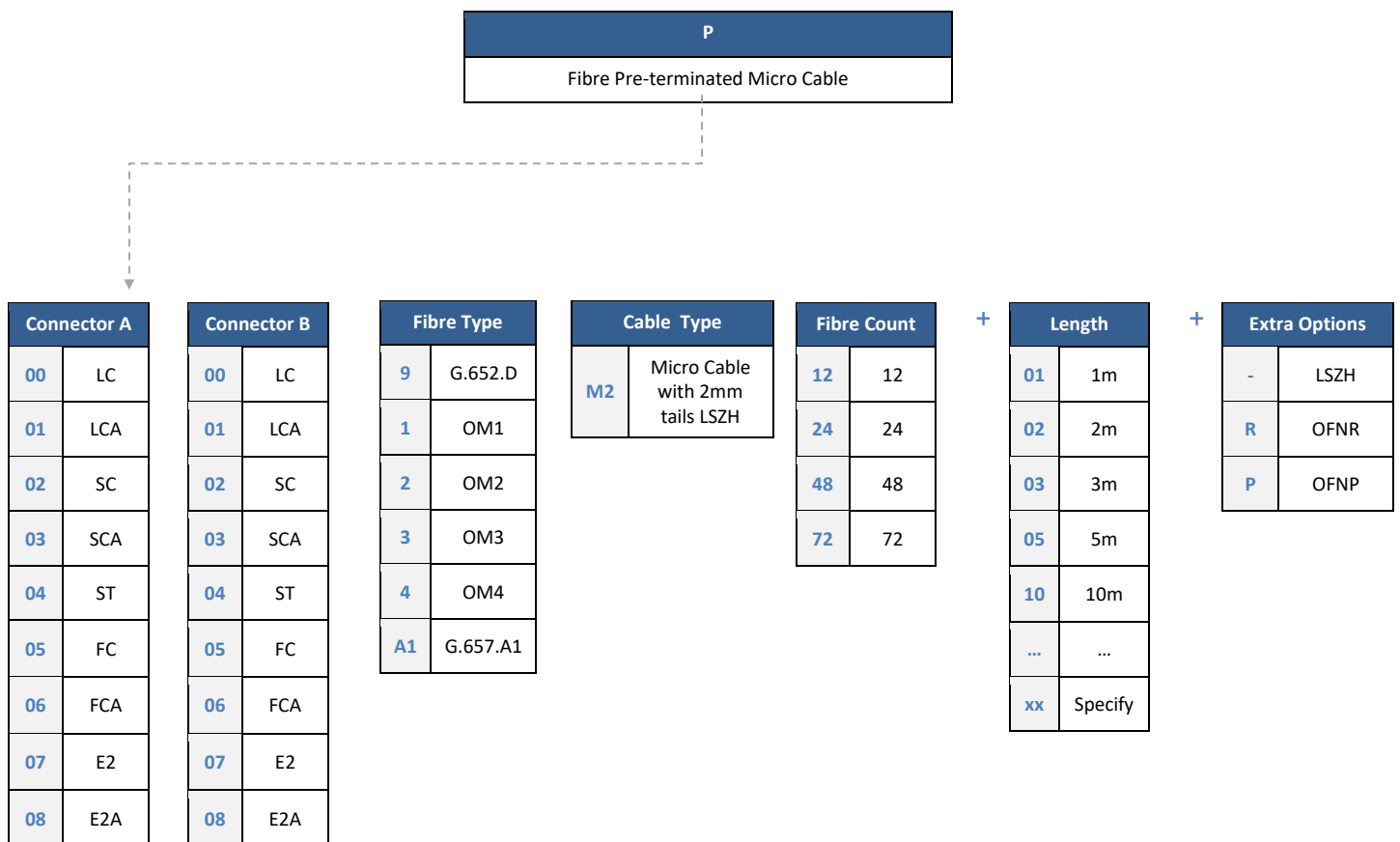
Cable Performance

Fibre Type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Attenuation Coefficient (dB/km)	≤ 0.38 Max (1310nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)
	≤ 0.25 Max (1550nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)
	≤0.34 Typ (1310nm)	≤ 2.9 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)
	≤0.19 Typ (1550nm)	≤ 1.2 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)
Minimum Bandwidth: Overfilled Launch (Mhz-km)	N/A	≤ 200 (850nm) ≤ 500 (1300nm)	≤ 500 (850nm) ≤ 500 (1300nm)	≤ 1500 (850nm) ≤ 500 (1300nm)	≤ 3500 (850nm) ≤ 500 (1300nm)
	N/A	N/A	N/A	≤ 2000 (850nm)	≤ 4700 (850nm)

Standards Compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- ISO/IEC 60793 and ISO/IEC 60794
- ISO/IEC 61753, IEC 61754 and IEC 61755
- ISO/IEC 60332-1, IEC 61034-1/2 and IEC 61754-1/2
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC

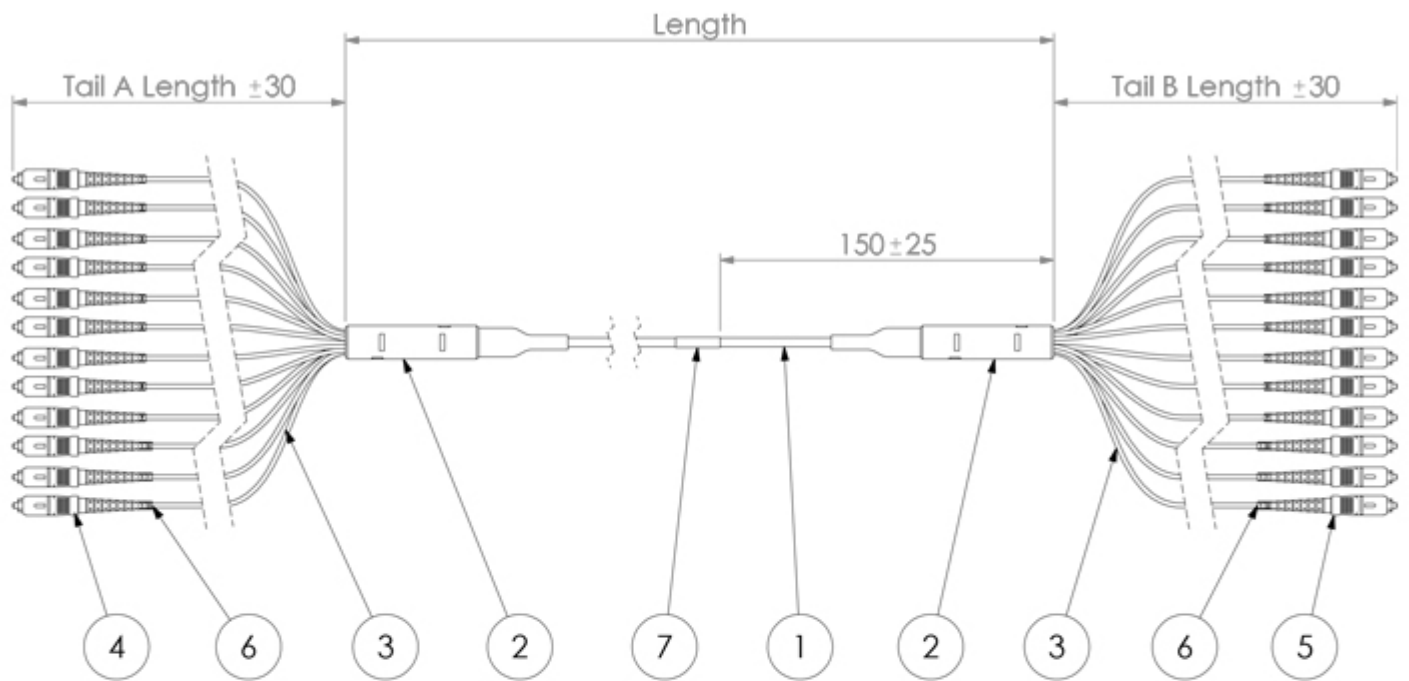
Ordering Information



Example:

P-0000A1M212-100 – LC/UPC – LC/UPC 12 Core Pre-Terminated Micro Cable with 2mm Tails, Singlemode G.657.A1 100m

Technical Drawing

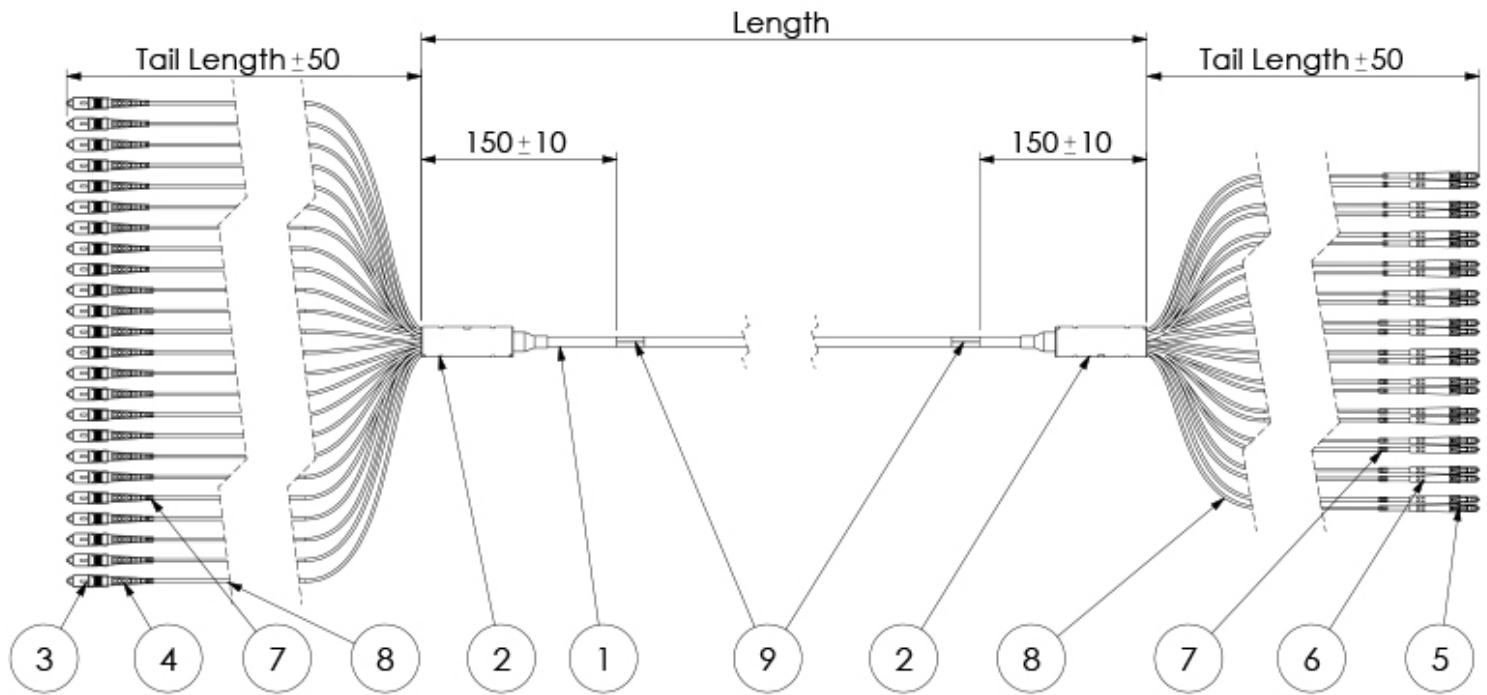


Typical tail length 1000mm

No.	Description	Qty.
1	12 Fibre Micro Cable (See Sheet 2)	1
2	Ruggedised Breakout Module	2
3	2mm Furcation Tubing (See Sheet 2)	24
4	Connector Assembly End 1 (See Sheet 2)	12
5	Connector Assembly End 2 (See Sheet 2)	12
6	Channel Identification Marker (C-Clip)	30
7	Serial Number Label (Wrap Around)	1

Length Tolerances:

-0/+100mm (Length<0.5m)
 -0/+150mm (0.5m≤Length<5m)
 -0/+200mm (5m≤Length<20m)
 ±1% (Length≥20m)



Typical Tail Length: 1000mm

No.	Description	Qty.
1	24f Double Jacketed Micro Cable (See Sheet 2)	1
2	∅22mm Breakout Module	2
3	End 1 Connector (See Sheet 2)	24
4	End 1 Boot (See Sheet 2)	24
5	End 2 Connector (See Sheet 2)	24
6	End 2 Boot (See Sheet 2)	24
7	Tail Identification Marker (C-Clip)	78
8	2mm Furcation Tubing (See Sheet 2)	48
9	Serial Number Label (Wrap-around)	2