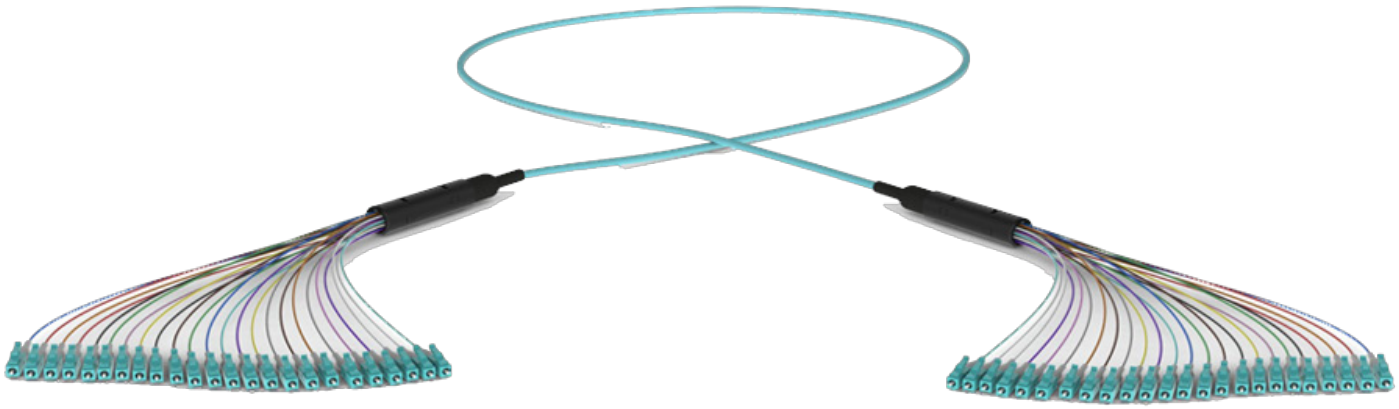


Multi-Fibre Micro Cable Assemblies with 900um Tails

Micro cable ruggedized pre-terminated assemblies with 900um tails. They feature low loss optical performance, while the 900um tail structure is ideal for applications inside 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
- 900um 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.657.A1) 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	900µm Simplex Tails Staggered
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	Crush Resistance tube OD Max 25mm (24 x 900µm), RPS Reusable Sock End A (Assembly length above 20 meters)
Gland	PG 13.5 End A/B (24 x 900µm)
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) ≤ 0.25 Max (1550nm) ≤0.34 Typ (1310nm) ≤0.19 Typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.9 Typ (850nm) ≤ 1.2 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max(1300nm) ≤ 2.7 Typ (850nm) ≤ 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)
Minimum Bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	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

P
Fibre Pre-terminated Cable

Connector A	
00	LC
01	LCA
02	SC
03	SCA
04	ST
05	FC
06	FCA
07	E2
08	E2A

Connector B	
00	LC
01	LCA
02	SC
03	SCA
04	ST
05	FC
06	FCA
07	E2
08	E2A

Fibre Type	
9	G.652.D
1	OM1
2	OM2
3	OM3
4	OM4
A1	G.657.A1

Cable Type	
M9	Micro Cable with 900µm tails LSZH

Fibre Count	
12	12
24	24
48	48
72	72
96	96
144	144

+

Length	
01	1m
02	2m
03	3m
05	5m
10	10m
...	...
xx	Specify

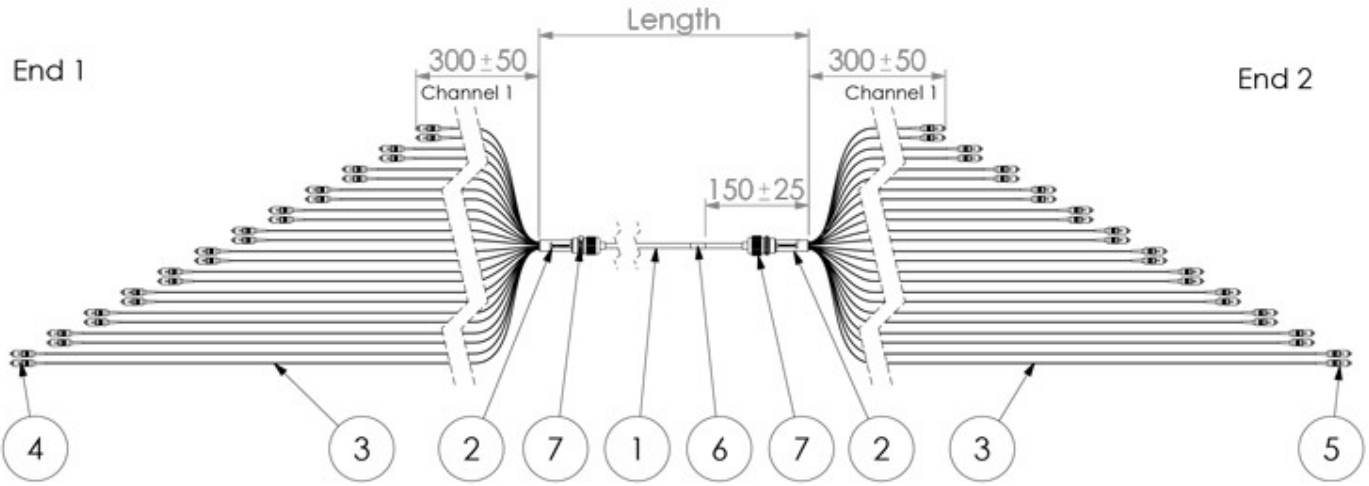
+

Extra Options	
-	LSZH
R	OFNR
P	OFNP

Example:

P-0000A1M9144-100 – LC/UPC – LC/UPC 144 Core Pre-terminated Micro Cable with 900µmTails, Singlemode G.657.A1 100m

Technical Drawing



No.	Description	Qty.
1	4.5mm Double Jacketed Micro Cable (See Sheet 2)	1
2	Ø15mm Breakout Module	2
3	900µm Solid Coloured Oversleeve Tubing	-
4	900µm Connector Assembly End 1 (See Sheet 2)	-
5	900µm Connector Assembly End 2 (See Sheet 2)	-
6	Serial Number Label (Wrap Around)	1
7	PG13.5 Gland	2

Length Tolerances:

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