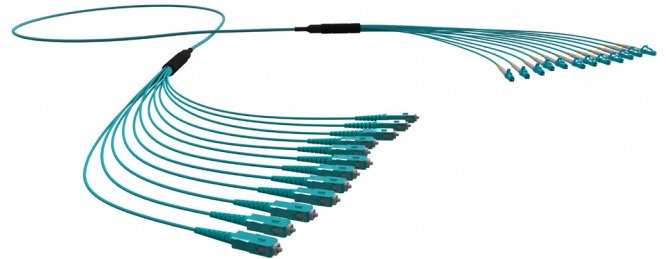


Multifibre micro cable assemblies with 2mm tails

- Available in OM1, OM2, OM3, OM4 and G.652D (OS1/OS2), G.657A1 fibre types
- 12 and 24 cores standard (high core counts up to 144 fibres available)
- 2mm ruggedised tails (900µm tails available)
- LSZH, OFNP, OFNR cable jacket
- Available with all standard connectivity
- Factory terminated and tested



Overview

The micro cable assembly features a compact size of micro cable providing a flexible though ruggedized product with the improved optical performance of the micro cable structure. The standard 2mm patch lead style tails are ruggedized to secure the optical fibre in non protected environments outside the patch panel or Optical Distribution Frames (ODFs). The network topology can be reduced and simplified by direct connection to active equipment bypassing wall boxes and the ODFs of fibre patch panels. The end result is a greatly improved power budget and reduced fibre management space.

Benefits

- Compact, flexible micro cable
- Improved optical performance of loose tube structure
- Zero-U space application - direct connection to active equipment

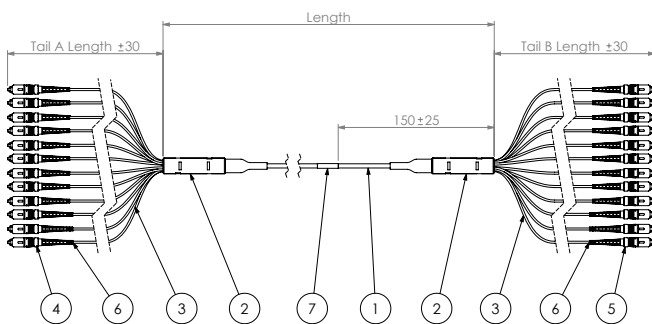
- Secure breakout module
- Reduced weight and carriage costs

Applications

- Internal short optical links
- Front panel/Equipment connections
- Data centre infrastructure
- Storage area network (SAN)

Standard compliance

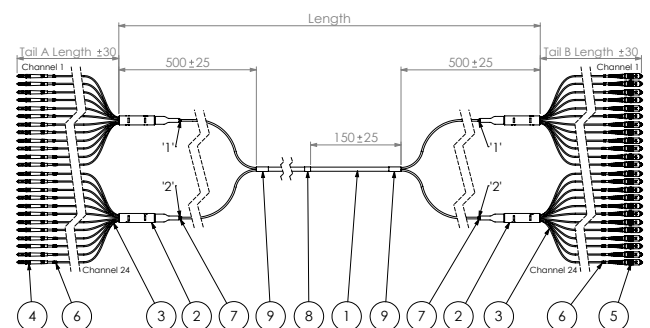
- TIA/EIA-568-C.3 and ISO/IEC 11801
- ISO/IEC 60793 and ISO/IEC 60794
- ISO/IEC 61753, IEC 61754 and IEC 61755
- ISO/IEC 60332-1, IEC 61034-1/2 and IEC 61754-1/2
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC



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	24 Fibre Flat Micro Cable (See Sheet 2)	1
2	Ruggedised Breakout Module	4
3	2mm Furcation Tubing (See Sheet 2)	48
4	Connector Assembly End 1 (See Sheet 2)	24
5	Connector Assembly End 2 (See Sheet 2)	24
6	Channel Identification Marker (C-Clip)	78
7	Sub Unit Identification Marker (C-Clip)	4
8	Serial Number Label (Wrap Around)	1
9	Split Retainer	2

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

Multifibre micro cable assemblies with 2mm tails

Specifications

Fibre grade	G.652D (OS1/OS2), G.657A1, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Cable specification	Microcable- 12, 24 cores (ISO/IEC 60794) MAX OD: Max OD 12 cores 4.5 ± 0.3mm/ Max OD 24 cores Flat 4.5 x 7.4 ± 0.3mm Jacket material: LSZH, OFNP, OFNR Jacket colour: OS1/OS2 (Yellow), OM1/OM2 (Orange), OM3 (Aqua), OM4 (Aqua/Erika Violet)
Connectors	LC, (IEC 61754-20), SC (IEC 61754-14), FC (IEC 61754-13), ST (IEC 61754-2)
Packaging	Length ≤ 100mtr: HD bag Length > 100mtr: drum
Operating temperature	-20 ~ +60°C
Storage temperature	-40 ~ +70°C

Cable performance

Fibre type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
	≤ 0.38 Max (1310nm) ≤ 0.25 Max (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1330nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)
Attenuation coefficient [db/km]	≤ 0.34 Typ (1310nm) ≤ 0.19 Typ (1550nm)	≤ 2.9 Typ (850nm) ≤ 1.2 (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1330nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch [Mzh-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum bandwidth: Laser effective modal bandwidth [Mzh-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

Connector performance

Connector mating	IL average standard	IL MAX standard	IL average premium	IL MAX premium	Return loss
Multimode	0.15 dB	0.30 dB	0.08 dB	0.15 dB	NA
Singlemode	0.18 dB	0.30 dB	0.12 dB	0.15 dB	>55/65 dB

Ordering information

Part number generator

PRE															
Fibre Count	Connector END A				Connector END B*				Fibre Type		Cable Construction		Cable length (m)	Jacket Type	
12	LC	LC	FC	FC	LC	LC	FC	FC	OS1/OS2	09	Micro Cable 2mm tails	MC	XX	LSZH	-
24	LC/APC	LCA	FC/APC	FCA	LC/APC	LCA	FC/APC	FCA	OM1	62					
48	SC	SC	E2000	E2	SC	SC	E2000	E2	OM2	50					
72	SC/APC	SCA	E2000/APC	E2A	SC/APC	SCA	E2000/APC	E2A	OM3	OM3					
	ST	ST			ST	ST			OM4	OM4					
									G.657/A1	A1					

* If end B differs from end A

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