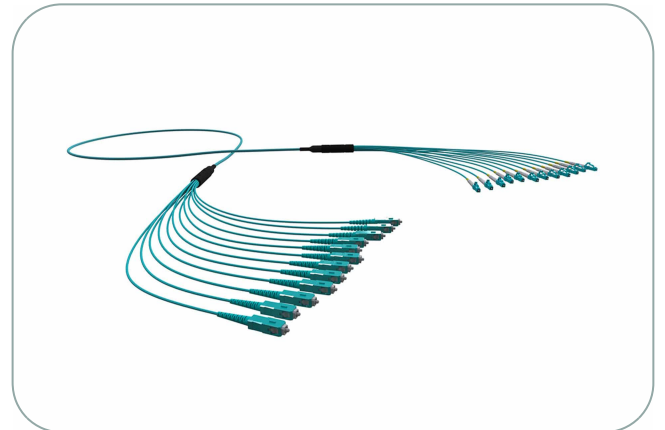


# MicroCable Assemblies (2mm Tails)

The MicroCable assembly features a small, compact size providing flexible though ruggedized product with the improved optical performance of MicroCable structure. The standard 2mm patch lead style tails are ruggedized to secure the optical fiber in the 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, ODFs of fiber patch panels, the end result is a greatly improved power budget and reduced fiber management space.



## Features

- Available OM3, OM4 and OS1/OS2, G.657A1 types
- 12 and 24 cores standard (high core counts up to 144 fibers available)
- 2mm ruggedised tails (900µm tails available)
- LSZH, OFNP, OFNR cable jacket
- Available with all standard connectivity
- Factory terminated and tested
- Compact small dimension flexible Micro Cable applied
- Improved optical performance of loose tube structure
- Zero-U space application - direct connection to active equipment
- Secure AFL® Prime breakout module
- Reduced weight and carriage costs

## Applications

- Internal short optical links
- Front panel/equipment connections
- Data center infrastructure
- Storage Area Network (SAN)

## Specifications

ELEMENT	CHARACTERISTICS
Fiber	OS1/2 G.657A1, OM3, OM4
Tail Dimensions	2mm Simplex Tails Fanout (Standard) 2mm Simplex Tails Staggered configuration with Pulling Element (Optional)
Terminations	LC, SC, ST, FC, E2000

ELEMENT	CHARACTERISTICS
Cable Construction	Double Jacket 12-24 Core Micro Cable
Cable Diameter	24 Core Max OD 4.5 ± 0.3mm
Crush Resistance	1000N/100mm
Cable Tensile Strength	(Short) 400N
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

Fiber 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)

### Ordering Information

Code	Fiber Type	Cable Type/Fiber Count	Jacket Material	Color	Grade	End A	End B	Tails	Unit	Length
T 3	OM3	DSB 12F Double Jacket MC	L LSZH	C Aqua	E Enhanced	A LC	A LC	-0001- 2mm Tail Stagger with Pulling	M Meters	1 1
4	OM4	DSF 24F Double Jacket MC	C CPR Cca	9 Yellow	P Premium	B LCA	B LCA	-0002- 2mm Tail Fanout	F Feet	2 2
9	G.652D	EAJ 48F Microcable	B CPR B2Ca			D SC	D SC	-0009- 2mm Tail Stagger with Pulling to Stub		3 3
7	G.657A1	EBM 72F Microcable	R OFNR			E SCA	E SCA	-0010- 2mm Tail Fanout to Stub		5 5
	*	96F Microcable	P OFNP			H FC	H FC			10 10
	*	144F Microcable				J FCA	J FCA			XX Specify
						L E2	L E2			
						M E2A	M E2A			
						X Open				

\* Check with your Account Manager

### Legacy ordering information

Fiber Count	Connector End A	Connector End B	Fiber Type	Cable Construction	Cable Length	Jacket type	Discrete Termination Grade
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PRE	12	12	LC	LC	LC	LC	09	OS1/OS2	MC	Micro Cable 2mm tails	1	1 meter	LSZH	-	Standard	
	24	24	LCA	LC APC	LCA	LC APC	OM3	OM3	MCP	Micro Cable 2mm Tails (Staggered) with Light Duty Protection	2	2 meter	PL	PLOFNP	/P	Low Loss Premium
	48	48	SC	SC	SC	SC	OM4	OM4			3	3 meter	RI	OFNR		
	72*	72	SCA	SC APC	SCA	SC APC	7A1	G.657A1			5	5 meter	E	CPR EuroClass Eca		
	96*	96	FC	FC	FC	FC					10	10 meter				
	144*	144	FCA	FC APC	FCA	FC APC					xx	Specify				
			ST	ST	ST	ST										
			E2	E2000	E2	E2000										
			E2A	E2000 APC	E2A	E2000 APC										
					XX	Open End										

\* Check Availability- Contact Customer Service;

### Example Part Number

PRE	24	LC	LC	OM3	MC	20										
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PRE24LCOM3MC20 - Multifiber Assembly 24 Core LC-LC OM3 MicroCable 2mm tails LSZH Aqua 20 meters