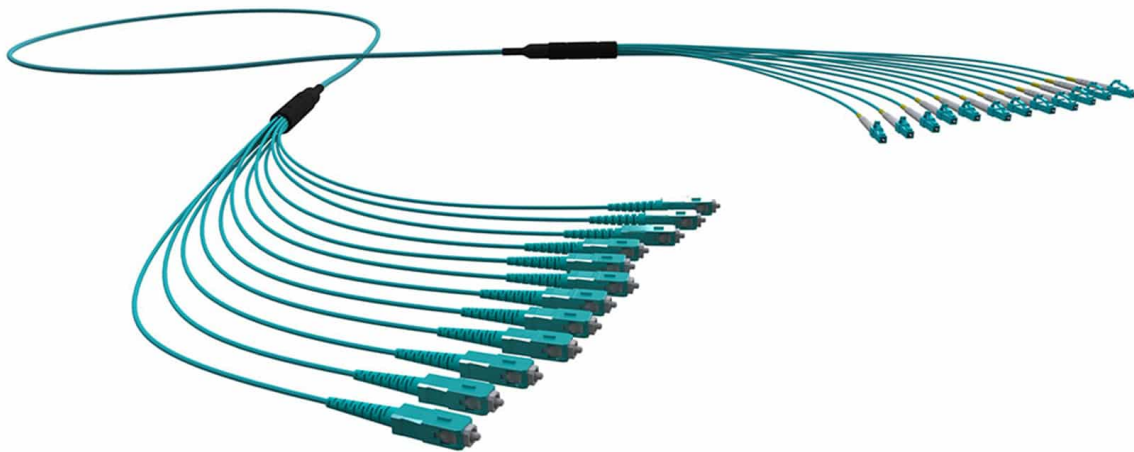


MicroCable Assemblies (2mm Tails)



Description

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 and Benefits

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

Applications

- Internal short optical links
- Data center infrastructure
- Front panel/equipment connections
- 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
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)

Fiber Type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
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	
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

Additional Information

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

Related Products

