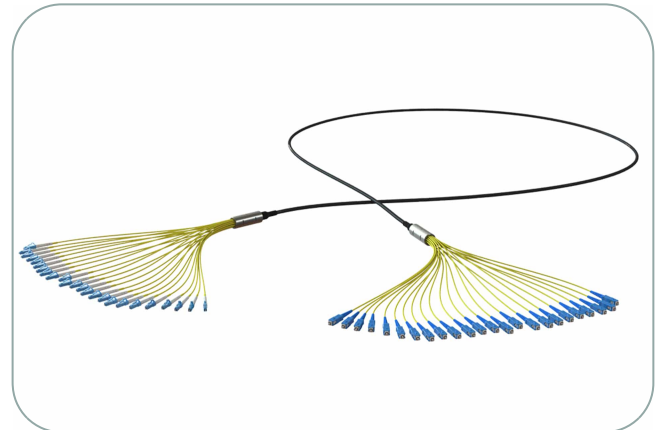


Multi-Fiber Loose Tube (LT) Cable Assembly

Loose tube multi-fiber cable assemblies utilize our patented transition modules which guarantee superior tensile strength and crush resistance. The high-density design can scale from 2 to 144 fibers and is available with both 900µm and ruggedized 2mm tail leads. Assemblies can comprise of both multi-fiber MPO/MTP® and discrete connectors, making the Multi-Fiber Loose Tube (LT) Cable Assembly a flexible hybrid solution for diverse applications.



Features

- Available in OS1/2 G652D and G.657A1, OM1, OM2, OM3, OM4
- Up to 144 fiber core count
- Available with multi-fiber MPO/MTP and discrete connectors
- 900µm or 2mm ruggedized tails
- Internal/external application
- Factory-terminated and tested
- Steel tape armored version available

Applications

- Data center infrastructure
- Central office, access points, or CATV hubs
- Internal and backbone applications

Specifications

ELEMENT	CHARACTERISTICS
Fiber	OS1/OS2 G.652D or G.657A1, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Tail Dimensions	900µm Simplex Tails Stagger Configuration 2mm Simplex Tails Staggered Configuration
Terminations	SC, LC, ST, FC, E2000
Cable Construction	Single Loose Tube (LT) 2-24 Cores (IEC 60794) Multi Loose Tube up to 48 Cores Single Loose Tube STA Armored 2-24 cores Multi Loose Tube STA Armored up to 48 cores Jacket Material: LSZH, PE; OFNP, OFNR Jacket Colour: Black
Cable Diameter	Single LT (Up to 24 Cores) OD MAX: 5.8 ± 0.3mm Multi LT (Up to 48 Cores) OD MAX: 13.7 ± 0.3mm
Crush Resistance	Single LT 1000N/100mm Multi LT 3000N/100mm
Design Pulling Strength	Single LT (Short) 1000N Multi LT (Short) 1000N
Cable Strength Member	Single LT - E-glass Multi LT - FRP/ E-glass

ELEMENT	CHARACTERISTICS
Storage Temperature	-5 ~ +40 °C
Installation Temperature	-20 ~ +60 °C
Operating Temperature	-20 ~ +60 °C
Tail Protection	Crush Resistance Tube - OD MAX 25mm (24x900µm Tails, 12x2mm Tails) Crush Resistance Tube - OD MAX 32mm (48x900µm Tails, 24x2mm Tails)
Pulling Element	RPS Reusable Sock End A (assembly length above 20 meters)
Gland	PG 13.5 End A/B (24x900µm Tails, 12x2mm Tails) M25 End A/B (48x900µm Tails, 24x2mm Tails)
Packaging	Length ≤ 100 - Heavy Duty PE bag / Length > 100m - Drum (up to 24xFibers)

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/Random	0.10dB	0.20dB	0.12dB	0.18dB	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]	≤0.38Max(1310nm) ≤0.25Max(1550nm) ≤0.34Typ (1310nm) ≤ 0.19Typ(1550nm)	≤ 3.5Max(850nm) ≤1.5Max(1300nm) ≤ 2.9 Typ(850nm) ≤1.2Typ(1300nm)	≤ 3.5Max(850nm) ≤1.5Max(1300nm) ≤ 2.7 Typ(850nm) ≤0.9Typ(1300nm)	≤ 3.5Max(850nm) ≤1.5Max(1300nm) ≤ 2.7Typ(850nm) ≤0.9Typ(1300nm)	≤ 3.5Max(850nm) ≤1.5Max(1300nm) ≤ 2.7Typ(850nm) ≤0.9Typ(1300nm)
Minimum Bandwidth: Overfilled Launch [Mhz-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

Ordering Information

Code	Fiber Type	Cable Type/Fiber Count	Jacket Material	Grade	End A	End B	Tails	Unit	Length
T	1 OM1	BQ2 SLT 2F	L LSZH	8E	A LC	A LC	-0001- 2mm Simplex Stagger (12F or less)	M Meters	1 1
	3 OM3	BQ4 SLT 4F	E CPR Eca		B LCA	B LCA	-0003- 2mm Duplex Stagger (>12F)	F Feet	2 2
	4 OM4	BQ6 SLT 6F	Y PE (polyethylene)		D SC	D SC	-0005- 900um Stagger		3 3
	7 G.657A1	BQ8 SLT 8F	D CPR Dca		E SCA	E SCA			5 5
		BQB SLT 12F			H FC	H FC			10 10
		BQC SLT 16F			J FCA	J FCA			XX Specify
		BQF SLT 24F			L E2	L E2			
		CBJ MLT 5el 48F			M E2A	M E2A			
					X Open				

Legacy ordering information

	Fiber Count		Connector End A		Connector End B *If end B differs from end A		Fiber Type		Cable Construction		Cable Length		Jacket Type	
PRE	2	2	LC	LC	LC	LC	09	OS1/OS2	LT	Loose Tube (900um tails)	1	1 meter	leave blank	LSZH
	4	4	LCA	LC APC	LCA	LC APC	62	OM1	LTR	Loose Tube (2mm tails)	2	2 meter	PE	PE
	6	6	SC	SC	SC	SC	50	OM2	STA	LT Steel Tape Armoured (900um tails)	3	3 meter	E**	CPR Euroclass Eca
	8	8	SCA	SC APC	SCA	SC APC	OM3	OM3	STAR	LT Steel Tape Armoured (2mm tails)	5	5 meter		
	12	12	FC	FC	FC	FC	OM4	OM4			10	10 meter		
	16	16	FCA	FC APC	FCA	FC APC	A1	G657A1			xx	Specify		
	24	24	E2	E2000	E2	E2000								
	48	48	E2A	E2000 APC	E2A	E2000 APC								
	*				XX	Open End								

Available on special request - contact Sales Office *Higher core count | ** MLT (<72xF) EuroClass Dca s2 d1 a1 | LT (<24xF) EuroClass Dca s2 d1 a1 | LT STA (<24xF) EuroClass Cca-s1,d1,a1

Example Part Number

PRE	24	LC	-	OM3	LT	20	
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PRE24LCOM3LT20 = AFL Multifiber Assembly 24 cores LC-LC OM3 50/125 Loose Tube 900µm tails LSZH Black 20mtr