

Multifiber Distribution (Tight Buffered) Cable Assemblies

The factory made, quality controlled fiber optic assembly is specified for short internal optical links. The 900µm tight buffer presentation lends itself to installation within a patch panel, wall box or Optical Distribution Frame (ODF). Crush resistant protective tubing assures 900µm tails protection during transportation and installation. The high tensile strength pulling element allows fast, safe and effective pulling action. The overall assembly and packing are light and compact, reducing transport cost and storage space. Installation waste is also reduced. A unique link loss certificate accompanies all Distribution multifiber assemblies.

Features

- Available in OM1, OM2, OM3, OM4 (ISO/IEC) and OS1 with G.652D and G657A1 fiber types
- Available with SC, LC, FC, ST, and E2000 connector types
- 900um tails for installation inside fiber management
- 2 - 24 core tight buffer cable with standard connectivity
- LSZH, OFNP, OFNR
- Fast installation
- No splicing or connector termination required
- Robust crush resistant protection tube
- High tensile strength pulling element
- Economical, light and compact assembly
- Low waste packaging
- User friendly link loss test certificate
- Installation guide supplied

Applications

- Internal horizontal backbone cabling
- 900um tails ideal for installation inside panels or wall boxes
- Enterprise/ Data Centers

Specifications



SPECIFICATION	VALUE
Fiber	OS1 G652D/ G.657A1, OM1, OM2, OM3, OM4
Tail Dimensions	900µm Simplex Tails Staggered Configuration
Cable Construction	Tight buffer 4, 8, 12 and 24 cores (IEC 60794)
Terminations	SC, LC, ST, FC, E2000
Cable Diameter	4 Core Max OD 4.8/ 5.4 ± 0.3 mm 8 Core Max OD 5.8/ 5.9 ± 0.3 mm 12 Core Max OD 6.5/ 7.6 ± 0.3 mm 24 Core Max OD 8.9/ 9.6 ± 0.3 mm
Crush Resistance	500N/100mm
Cable Tensile Strength	4 Core (Installation) 400N 8 Core (Installation) 400N 12 Core (Installation) 450N 24 Core (Installation) 650N
Cable Strength Member	E-Glass
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 900mm)
Pulling element	Standard for assembly length above 20m
Packaging	Length ≤ 100 Coil in heavy duty polymer bag Length > 100 Drum

Cable Performance

FiberType (ISO/IEC 11801)	OS1	OM1	OM2	OM3	OM4
Attenuation Coefficient [dB/km]	≤ 0.38Max(1310nm) ≤0.25 Max(1550nm) ≤0.34Typ(1310nm) ≤0.19 typ (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) ≤ 2.7 Typ(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 (850)

Termination Performance

OPTICAL PERFORMANCE*	MM PREMIUM	MM STANDARD	SM PREMIUM	SM STANDARD	CONFORMANCE
IL Max/Master (Acceptance)	0.15dB	0.25dB	0.15dB		IEC 61300-3-4 · 2 5 dB
Ave/Master	0.08dB	0.15dB	0.12dB		IEC 61300-3-4 · 1 8 dB
Ave/Random	0.10dB	0.20dB	0.12dB		IEC 61300-3-34 · 1 8 dB
RL(Min Acceptance)	NA	NA	55/65**		IEC 61300-3-6 5 / 6 5 * *

*Connector Performance table does not refer to E2A Terminations ** UPC/APC

Ordering Information

Code	Fiber Type	Code	Fiber Count	Jacket Material	Color	Grade	End A	End B	Tails	Unit	Length
T	1 OM1	BD	2 2F	L LSZH	8 Black	E Enhanced	A LC	A LC	-0005- 900um Simplex Stagger - 900um Simplex Stagger	M Meters	1 1
	3 OM3		4 4F	E CPR Eca		P Premium	B LCA	B LCA	-0015- 900um Simplex Stagger - Stub	F Feet	2 2
	4 OM4		6 6F	R OFNR			D SC	D SC			3 3
	7 G.657A1		8 8F	P OFNP			E SCA	E SCA			5 5
			B 12F				H FC	H FC			10 10
			C 16F				J FCA	J FCA			XX Specify
			F 24F				L E2	L E2			
							M E2A	M E2A			
							X Open				

Legacy ordering information

Fiber Count	Connector End A	Connector End B	Fiber Type	Cable Construction	Cable Length	Cable Jacket Type	Termination Grade
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PRE	2	2	SC	SC	XX	Open End	09	OS1 G.652D	TB	Tight Buffered	1	1 meter	Leave Blank	LSZH	Leave Blank	Standard
	4	4	SCA	SC APC	SC	SC	62	OM1			2	2 meter	RI	OFNR	/P	Premium
	6	6	LC	LC	SCA	SC APC	50	OM2			3	3 meter	PL	OFNP		
	8	8	LCA	LC APC	LC	LC	OM3	OM3			5	5 meter	E*	LSZH CPR Euroclass Eca		
	12	12	FC	FC	LCA	LC APC	OM4	OM4			10	10 meter				
	16	16	FCA	FC APC	FC	FC	7A1	G657A1			xx	Specify				
	24	24	E2	E2000	FCA	FC APC										
			E2A	E2000 APC	E2	E2000										
					E2A	E2000 APC										

Example Part Number

PRE	12	LC	SC	OM3	TB	5										
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PRE12LCSCOM3TB5 - Multifibre Assembly 12 Core LC-SC OM3 50/125 Tight Buffered Black LSZH 5mtr Open End Example
 PRE12LCXX09TB5 - Multifibre Assembly 12 Core LC-Open end OS1/2 9/125 Tight Buffer Black LSZH 5mtr Plenum Jacket Example
 PRE24SCSCA50TB1OFNP - Multifibre Assembly 24 Core SC-SCA OM2 50/125 Tight Buffer Black Plenum 1mtr Premium Example
 PRE24SCSCOM4TB10/P - Multifibre Assembly 24 Core Premium Low Loss SC-SC OM4 50/125 Tight Buffer LSZH Black 10mtr * CPR Euroclass Dca-s1,d1,a1 Available on Special Request- Contact Sales Office CPR Euroclass Cca-s1,d1,a1 Available on Special Request- MOQ May Apply