

INDUSTRIAL CABLE ASSEMBLIES



Fiber connectivity for any harsh environment!

Industrial MPO and LC (ODVA) cable assemblies can be made to order with a wide variety of rugged cable options. These assemblies provide excellent protection in the harshest environments. The connectors use the familiar LC or MPO connector in a robust industrial housing which provides secure IP67 rated connections. Unlike many industrial cable assembly solutions on the market today, the ODVA LC connector footprint is open sourced which allows customers the flexibility of not being locked into one particular manufacturer. These assemblies are fully compatible without the Industrial Gator Patch product line and can also be customized to suit your application. Contact customer service today to learn more.

KEY FEATURES

- IP67 rated protects against dust/water
- Secure fiber connections
- Available in any standard fiber type
- Up to 24 fibers in a single connector
- UV resistant materials
- 100% testing in our North American facility

TYPICAL APPLICATIONS

- Fiber to the tower— Radio distribution
- Mobile broadcasting or security
- Wind/solar power communication link
- Factory/industrial applications
- Mining applications
- Intelligent transportation systems

Compatible with the Industrial Gator Patch

ORDERING INFORMATION

Industrial MPO

1	Assembly Type	D D-Series	6, 10	Connector Types	FJ MPO(F) 24F IND	7, 11	Fanout Type	2 2mm	14	Performance	E EFG Grade			
2	Fiber Type	1 62.5/125 (OM1)	FN MPO(F) 12F IND	MJ MPO(M) 24F IND	9 900um	B 3.8mm	L Low Loss	3 3mm	S Standard	15	Polarity	A Type A		
		2 SM (OS2)	MN MPO(M) 12F IND	00 PIGTAIL	B 3.8mm	N NA	C Type C	9 50/125 (OM2)			D 40G	16	Pull-kits	0 None
		3 50/125 (OM3)	FB MPO(F) 24F	FM MPO(F) 12F	8, 12	Fanout Length	A 25cm	A 50/125 (OM4)			1 1 End B	17	Length in meters xxx	
3	Fiber Count	6 6F	FM MPO(F) 12F	MB MPO(M) 24F	A 25cm	B 50cm	B Type B	6 8F			2 2 Both Ends			
		8 8F	MM MPO(M) 12F	MM MPO(M) 12F	C 100cm	D 150cm	C Type C	A 12F						
		A 12F	FA FC/APC	FA FC/APC	D 150cm	E 200cm	D 40G	D 24F						
4	Cable Rating	A Riser (In/Out)	FC FC	FC FC	E 200cm	F 300cm								
		B Plenum (In/Out)	LA LC/APC SX	LA LC/APC SX	F 300cm	N NA								
		C LSZH (In/Out)	LC LC SX	LC LC SX	N NA									
		H Riser Arm'd (In/Out)	LD LC DX	LD LC DX										
		J LSZH Arm'd (In/Out)	LM LC-MINI DX	LM LC-MINI DX										
		K NOT RATED (OSP) Arm'd	LU LC UNIBOOT	LU LC UNIBOOT										
		N NOT RATED (OSP)	LZ LC/APC DX	LZ LC/APC DX										
		S Plenum Arm'd (In/Out)	RJ MTRJ(F)	RJ MTRJ(F)										
5	Cable Type	W Loose-tube	RM MTRJ(M)	RM MTRJ(M)										
			SA SC/APC SX	SA SC/APC SX										
			SC SC SX	SC SC SX										
			SD SC DX	SD SC DX										
			ST ST	ST ST										
			SZ SC/APC DX	SZ SC/APC DX										

Contact customer service for help determining your specific cable requirements

Industrial MPO Connector



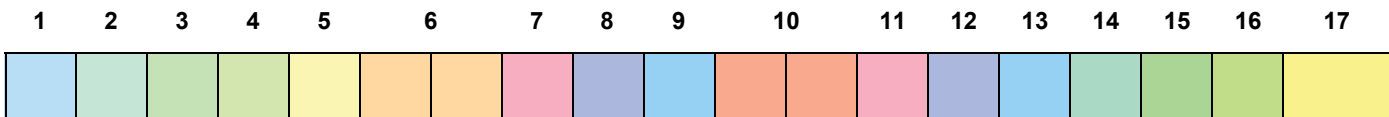
ORDERING INFORMATION

Industrial LC

1	Assembly Type
D	D-Series
2	Fiber Type
1	62.5/125 (OM1)
2	SM (OS2)
3	50/125 (OM2)
9	50/125 (OM3)
A	50/125 (OM4)
3	Fiber Count
2	2F
4	Cable Rating
A	Riser (In/Out)
B	Plenum (In/Out)
C	LSZH (In/Out)
H	Riser Arm'd (In/Out)
J	LSZH Arm'd (In/Out)
K	NOT RATED (OSP) Arm'd
N	NOT RATED (OSP)
S	Plenum Arm'd (In/Out)
5	Cable Type
K	Tight Buffer Dist
L	Breakout (2mm subs)
M	Breakout (2.5mm subs)
R	Tactical
W	Loose-tube

6,10	Connector Types
LN	LC ODVA
00	PIGTAIL
FA	FC/APC
FC	FC
LA	LC/APC SX
LC	LC SX
LD	LC DX
LM	LC-MINI DX
LU	LC UNIBOOT
LZ	LC/APC DX
SA	SC/APC SX
SC	SC SX
SD	SC DX
ST	ST
SZ	SC/APC DX
7, 11	Fanout Type
2	2mm
9	900um
A	2.5mm
N	NA

8, 12	Fanout Length
A	25cm
B	50cm
C	100cm
D	150cm
E	200cm
F	300cm
N	NA
9, 13	Fanout Geometry
0	No Stagger
N	NA
14	Performance
E	EFG Grade
L	Low Loss
S	Standard
15	Polarity
F	Standard
G	Reversed
16	Pull-kits
0	None
1	1 End B
2	2 Both Ends
17	Length in meters xxx



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ODVA LC Connector



TECHNICAL SPECIFICATIONS

Fiber Transmission Performance

Fiber Type	Multimode				Single-Mode
	6.25/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm 850/1300nm)	50/125µm (850/1300nm)	Single-Mode (1310/1383/1550nm)
ISO/IEC Name	OM1	OM2	OM3	OM4	OS2
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.4/0.3*
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.5**
Minimum Over Filled Launch (OFL) Bandwidth (MHx•km)	200/500	700/500	1500/500	1500/500	-/-/-
Minimum Effective Modal Bandwidth (MHx•km)	220/-	950/-	2000/-	5350/-	-/-/-
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1000/600	5000/-/-
Serial 10 Gigabit Ethernet Distance (m)	33/-	150/-	300/-	600/-	10000/-/40000
*Including ALTOS®, SST-Drop™, SOLO®, SST-Ribbon™, Industrial LSZH™, Mining and Petrochemical, FREEDM® LST™ Loose Tube, FREEDM® Ribbon, MIC® 250, Ribbon, LSZH™ Ribbon (Registered trademarks of Corning Cable Systems LLC)					
** Including Tactical, FREEDM® Fan-Out, FREEDM® ONE, MIC® various Fan-Out, Single-Fiber, Zipcord 2-Fiber, Ribbon Interconnect					
Other cable types and manufacturers also available.					
Please contact customer service for additional information.					

Connector Performance

	Multimode	Single mode
Test Wavelength	850nm	1550nm
Industrial MPO Insertion Loss	Typical 0.5db / Max 0.75db	Typical 0.4db / Max 0.75db
ODVA LC Insertion Loss	Typical 0.4db / Max 0.5db	Typical 0.3db / Max 0.5db
Reflectance	≤ -20db	≤ -55db
Durability	500 matings, < 0.2db change	500 matings, < 0.2db change
Operating Temperature	-40 to +70C	-40 to +70C
Storage Temperature	-40 to +85C	-40 to +85C
Water/Dust Ingress	IP67 (IEC 60529)	IP67 (IEC 60529)

Please contact customer service for additional information.

Custom configurations available upon request.

All specifications are subject to change