

Custom Multi-fiber Cables

Multi-fiber cable assemblies combine several individually sheathed optical fibers into a single assembly that can be easily routed from point-to-point. For outside plant application or indoor/outdoor use, O-m6 multi-fiber outdoor cable assemblies are all custom-made with the best quality materials available. Cable and breakout can be ordered in any length and configured to fit your need.



- **SM or MM cable with fiber count up to 144 fibers**
- **Most cable types available; Dielectric, Armored, Mil, Customized to suit your applications**
- **Loose tube fanout may have 900 µm, 2 or 3mm**
- **Fiber ends may be protected with all types of jackets**
- **Transition will prevent water migration with epoxy sealed option**
- **Pulling eye option available for easier installation and routing**

Specifications

Parameter	Unit	U	U +	A	A +	P	P +
Polish (Singlemode or Multimode)		UPC (SM)	UPC (SM)	APC (SM)	APC (SM)	PC (MM)	PC (MM)
Insertion loss (typical value)	dB	0.25 (0.12)	0.20 (0.08)	0.35 (0.20)	0.30 (0.16)	0.40 (0.20)	0.30 (0.15)
Return loss (typical value)	dB	-55.0 (-58)	-58.0 (-62)	-65.0 (-68)	-68.0 (-72)	(-25)	(-25)
Apex offset	µm	0-50	0-50	0-50	0-50	0-75	0-50
Radius of curvature	mm	7-25	10-25*	5-12	5-12	5-30	7-25
Fiber height	nm	-50	+/-50	-50	+/-50	-75	-75
Durability : IL < 0,7dB, RTL > nominal	cycles		More than 1000			More than 500	
Cable length tolerance	%				-0 /+3		
Fanout length tolerance	cm			-0/+10 (tight tolerance available)			

* Depends on connector models.

Cable*	Fiber Type	Diameter (mm)	Weight (kg/km)	Maximum Tensile Load (N)		Bending Radius (cm)		Temperature (°C)	
				S. Term	L. Term	S. Term	L. Term	Operating	Storage
F214 (12)	SM 9/125	11.1	82	2700	800	22.2	11.1	-40 to 70	-40 to 75
F219 (6)	SM 9/125	5.3	15.9	2664	2131	8.0	5.3	-20 to 70	-40 to 70
F230 (24) armored	SM 9/125	11	124	2700	890	22.4	11.2	-40 to 70	-40 to 70
F417 (12)	MM 50/125	9.65	92	2700	N/A	19.3	14.5	-40 to 70	-40 to 80

* Other cables are available.

- Lower insertion loss option available
- All connectors are visually inspected
- All connectors are tested at 850 nm (MM) or at 1550 nm (SM), test data supplied
- + Series with geometrical qualification and dual wavelengths, test data supplied

Key for Product Code | For further information, refer to our general **Product Code**.

(1) FC	(2) P	—	(3) 419	—	(4) ST	(5) P	—	(6) 25m	—	(7) F	(8) 001
---------------	--------------	---	----------------	---	---------------	--------------	---	----------------	---	--------------	----------------

(1): Connector, end A
(2): Polish, end A

(3): Fiber

(4): Connector, end B
(5): Polish, end B

(6): Length

(7): Product code
(8): Product description

To Order | Call us at (450) 979-4110 or e-mail us at sales@om6.com for all the details.

Specifications may change without notice.



All products can be customized to suit your specific applications.

