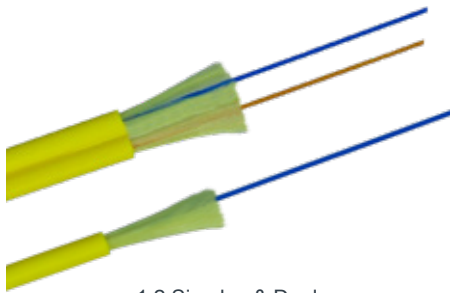




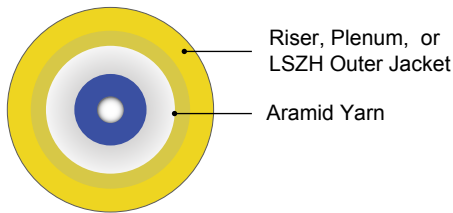
A Furukawa Company

M-Pack® 1.2 mm Cordage - Interconnect

Highly Compact, Leading-Edge Cordage Offers Ease of Deployment for Demanding, High-Density Applications



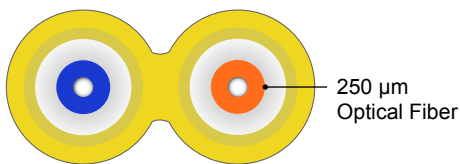
1.2 Simplex & Duplex M-Pack Cordages



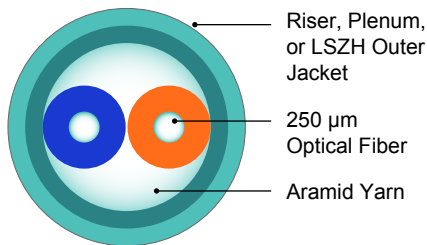
1-Fiber Cordage

OD Geometry (1 Fiber)

Maximum Average	1.25 mm
Average	1.20 mm
Minimum Average	1.15 mm



2-Fiber Cordage



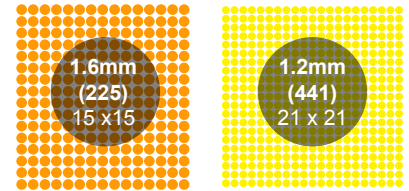
Round Duplex Cordage

Features

- Lightweight cordage with highly reduced diameter
- Available in simplex and duplex designs
- OFNR (UL 1666), OFNP (NFPA-262), LSZH (IEC 60332-1)
- ROHS compliant and environmentally friendly; free of heavy metals and polybrominated fire retardants

Benefits

- Compact, lightweight cordage allows ease of deployment and termination
- Ideal for use in high-density frame management systems and in building micro assemblies
- Increase packing density by 196%



Product Description

When you need a highly compact, leading-edge cordage solution for demanding high-density applications, look to the new M-Pack® Simplex Interconnect Cordage. This new cordage series was specifically designed to answer the need for extremely small and lightweight, yet durable and flexible cordages to help facilitate rapid installation, termination and splicing.

World-class OFS optical fiber lies at the heart of each M-Pack Simplex Cordage. Aramid yarn is wrapped around the non-buffered, 250 micron (µm) optical fiber for protection and to add overall strength to the cordage. This construction is then carefully encased in a durable, flame-resistant jacket. The 1.2 mm M-Pack Simplex Cordage is also available in duplex zipcord and round duplex constructions and features PVC OFNR riser-rated or OFNP jacket. Also available with LSZH jacket material in simplex and duplex round constructions.

Why The M-Pack Interconnect Cordage?

The M-Pack Interconnect Cordage is specifically engineered for customers who need an extremely compact and flexible, yet highly durable cordage optimized for use with demanding high-density and FTTx drop solutions.

This cordage's small diameter and light weight allow ease of deployment and termination along with rapid access for splicing for use in FTTx drop solutions. The cordage also offers:

Optical Fiber Quality: OFS develops and produces world-class optical fibers with precise fiber geometries for a broad range of global applications.

Strength and Durability: The M-Pack Interconnect Cordage is designed to exceed industry tensile standards and features extra aramid yarn in each cordage for added strength. Meets the same testing standards of 1.6 & 2.0 mm cordage.

Material Performance Stability: Controlling cordage shrinkage is key to delivering a high-performance connectorized product. OFS' extensive knowledge of materials allows us to design and produce cordages that help enterprise cabling networks and other high-bandwidth applications.

Specifications	MP12		MX12
	Simplex	Duplex Zipcord	Round Duplex
Fiber Count	1	2	2
Outer Diameter - in. (mm)	0.05 (1.2)	0.05 x 0.10 (1.2 x 2.48)	0.05 (1.2)
Weight - lb/kft (kgm/km)	.90 (1.34)	1.8 (2.68)	0.94 (1.41)
Maximum Tensile lb (N)	22 (100)	44 (200)	22 (100)
Flame Spread	OFNR, OFNP, or LSZH CPR	OFNR	OFNR, Plenum, or LSZH CPR
Mechanical	GR 409 Interconnect - All Cordages		
Performance Standard	Cordage tested and listed to applicable standards including Telcordia GR-409/ICEA-S-83-596/ICEA-S-104-696/ICEA-S-115-730; TIA-568: TIA 598. Cordage UL Listed as compliant with NEC Article 770; CSA; EN 50173.		
Handling Temperature	Installation: 32° F to 140° F (-0° C to 60° C) Operation: 32° F to 158° F (-0° C to 70° C) Storage: -40° F to 158° F (-40° C to 70° C)		
CPR Rating	LSZH Versions: Dca-s1, d0, a2 Riser Versions: Dca-s1, d0, a3		LSZH Versions: Dca-s1, d0, a2 Riser Versions: Dca-s1, d0, a3
DoP Lookup: www.ofs-sales.com/cpr/	LSZH: MP12-001-A-H Riser: MP12-001-A-R		LSZH: MX12-002-A-H Riser: MX12-002-A-R

M-Pack Interconnect Cordage Ordering Information

Example: MP12-001A-WRY-4¹

Part Number: MP12-*NNNA* - *WXY* - *Z*

MP12 = M-Pack 1.2 mm

MX12 = M-Pack Round Duplex

NNN = Fiber Count
001-002

A = Cable Version (default version)

W = Fiber Type (see chart)

X = Jacket Material (Flame Retardant)
R = Riser
P = Plenum
H = LSZH CPR

Y = Jacket Color²
Y = Yellow (Single-Mode Optical Fiber)
A = Aqua (LaserWave MM Optical Fiber)

Z = Maximum Cable Attenuation (MCA)
4 = AllWave *FLEX+* and AllWave *FLEX MAX* Optical Fiber
G = LaserWave *FLEX G+*, LaserWave *FLEX 300* and LaserWave *FLEX 550* Optical Fiber

Fiber Type²

Code	Single-Mode Descriptor	Grade	1310 nm	1550 nm	MCA (Z)
W	AllWave® <i>FLEX+</i> ZWP Bend-Optimized Optical Fiber	G.657.A2	0.4 (dB/km)	0.3	4
9	AllWave <i>FLEX MAX</i> Bend-Optimized Optical Fiber	G.652.D & G.657.B3	0.4	0.3	4
Code	Multimode Descriptor	Grade	850 nm	1300 nm	MCA (Z)
K	LaserWave® <i>FLEX G+</i> Optical Fiber	OM2	3.5 (dB/km)	1.5	G
3	LaserWave <i>FLEX 300</i> Optical Fiber	OM3	3.5	1.5	G
5	LaserWave <i>FLEX 550</i> Optical Fiber	OM4	3.5	1.5	G

¹ Part Number shown is for a 1.2 mm M-Pack Simplex Riser-Rated AllWave *FLEX+* ZWP Single-Mode Fiber Cordage with a yellow jacket, one (1) 250 micron fiber and standard cable print:

OFS M-PACK® ALLWAVE® FLEX+ ZWP BIF G.657.A2 OPTICAL CABLE -C- MP12-001A-WRY-4 9/125 FT4 C(UL) OFNR OFN-LS [MM/YY] [LOT NO] [LENGTH IN FEET]

² Contact OFS for availability of alternative jacket colors and fiber types.

For additional information please contact your sales representative.

You can also visit our website at www.ofsoptics.com or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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