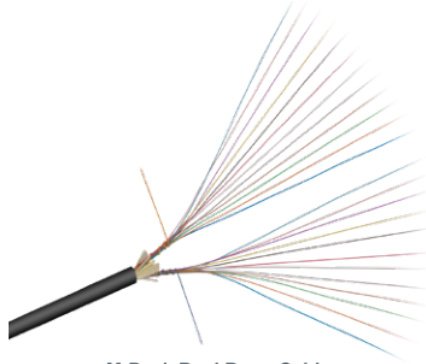


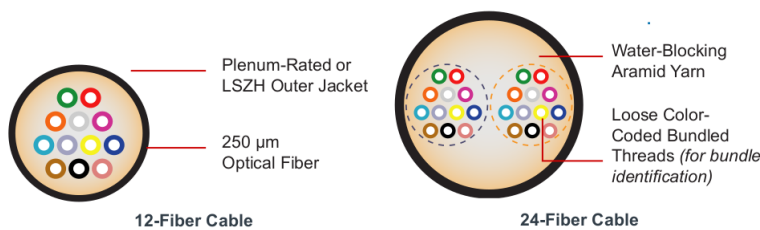


M-Pack BackBone Cable

M-Pack® Indoor/Outdoor MDU Drop Cable

Enhanced for Fiber-to-the-Subscriber (FTTx) and Multiple Dwelling Unit (MDU) Applications

*** BEAD COMPLIANT
* AVAILABLE**



12-Fiber Cable

24-Fiber Cable

Features

- Compact and lightweight Multiple Dwelling Unit (MDU) drop cable
- Meets the Indoor/Outdoor Drop requirements of MDU FTTx Application (ICEA-S-730 TPR-9424)
- Plenum-rated or LSZH for MDU spaces; rated for indoor/outdoor use
- EZ-Bend® Ultra-Bend Insensitive Fiber for tight bend routing without concern for attenuation loss
- Single fiber and multi-fiber designs

Benefits

- Small outer diameter for more efficient duct utilization
- Allows direct routing from building exterior into living areas
- Ease of deployment and termination through MDU units
- “Staple-ready” cable for easier routing and high compressive load resistance
- Versatile cable design for a wide range of applications

Product Description

The M-Pack Indoor/Outdoor (I/O) MDU Drop Cable’s enhanced, plenum-rated design, water-blocking properties and UV-resistant jacket combine to create a cable that allows an outdoor cable route to pass directly into MDU or Individual Living Unit (ILU) plenum spaces to speed routing and installation. This compact, lightweight cable is an excellent choice for FTTx MDU installations and is offered with a black or white jacket to blend with existing décors.

Why the M-Pack Indoor/Outdoor MDU Drop Cable?

The M-Pack I/O MDU Drop Cable’s versatile Indoor/Outdoor design allows it to be routed around the outer perimeter of a building and then directly into an MDU or ILU, helping to save time and money by eliminating the need for external transition boxes. In addition, Lightera® EZ-Bend Ultra-Bend Insensitive Optical Fiber allows this cable to be installed around corners from the building exterior to the premises interior without concern for performance.

The M-Pack I/O MDU Drop Cable is an outstanding option for a variety of FTTx applications including (1) short-run installations from the curb to the MDU interior using conduit; (2) routing from the building exterior directly into the MDU or ILU; and (3) FTTx splice applications (allows faster splice preparation).

Specifications	MO30	MO38
Fiber Count	1-12	24
Outer Diameter - Mm (in.)	3.0 (0.12)	3.8 (0.15)
Weight - Kgm/km (lb/kft)	9.2 (6.2)	13.7 (9.2)
Maximum Tensile - N (lb)	222 (50)	
CPR Rating	LSZH Versions: Cca-s1a, d0, a1	LSZH Versions: B2ca, s1a, d0, a1
Dop Lookup: https://sales.nar.lightera.com/cpr	MO30-XXX-B-H (XXX = Fiber Count)	MO38-XXX-D-H
Performance Standard	The M-Pack Indoor/Outdoor MDU Drop Cable meets all or portions of Telcordia GR-409/ICEA-S-83-596/ICEA-S-104-696/ICEA-S-115-730 and TIA-568. Plenum-rated cables are UL® listed as compliant with NEC Article 770 as Type OFNP. LSZH-rated cable are compliant to IEC-60332-3C.	
Handling Temperature		
Installation	-20 °C to 60 °C (-4 °F to 140 °F)	
Operation	-40 °C to 70 °C (-40 °F to 158 °F)	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)	

Fiber Type and Maximum Cable Attenuation ²					
Code	Descriptor	Grade	1310 nm	1550 nm	MCA (Z)
D	EZ-Bend® Ultra-Bend Insensitive Single-Mode Optical Fiber	G.657.B3	0.4 dB/km	0.3 dB/km	4

M-Pack® Indoor/Outdoor MDU Drop Cable Ordering Information	
Example:	MO30-012B-DPK-4¹
Part Number	MONN - NNN C - W X Y - Z
MO	M-Pack Indoor/Outdoor MDU Drop Cable
NN	Cable Size 30 = 3.0 mm M-Pack Cable (1-12 Fibers) 38 = 3.8 mm M-Pack Cable (16 and 24 Fibers)
NNN	Fiber Count 001, 004, 006, 008, 012, 016 & 024
C	Cable Version. Contact Lightera.
W	Fiber Type (see chart to the left) D = EZ-Bend® Ultra Bend Insensitive Optical Fiber (G.657.B3)
X	Jacket Material (Flame Retardant) P = Plenum H = LSZH
Y	Jacket Color K = Black W = White
Z	Maximum Cable Attenuation (MCA) 4 = 0.4/0.3 dB/km @ 1310/1550 nm
Note	¹ Part Number shown is for an M-Pack Indoor/Outdoor MDU Drop Plenum-Rated Cable with 12 EZ-Bend Ultra-Bend Insensitive Fibers and standard cable print. Lightera M-PACK® EZ-BEND® G.657.B3 OPTICAL CABLE -C-MO30-012B-DPK-4 9/125 OFNP-FT6 C(UL) OFNP {MM/YY} {Lot No} {LENGTH IN FEET} ² Contact Lightera Order Management for information on other cable variations including additional fiber types, attenuation and custom cable print.

Contact Information	For additional information please contact your sales representative. You can also visit our website at www.lightera.com or call 1-888-FIBERHELP (1-888-342-3743) USA or 1-770-798-5555 outside the USA. For a full list of our certifications, visit our website.
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[Part Numbers](#)