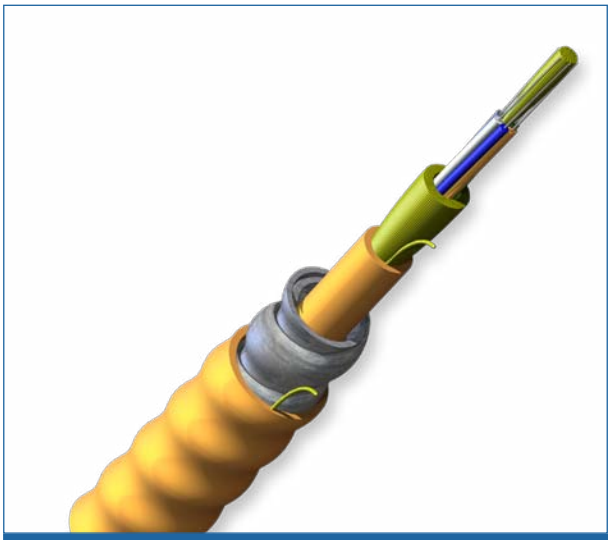
MIC® Tight-Buffered, Interlocking Armored Cable, Plenum

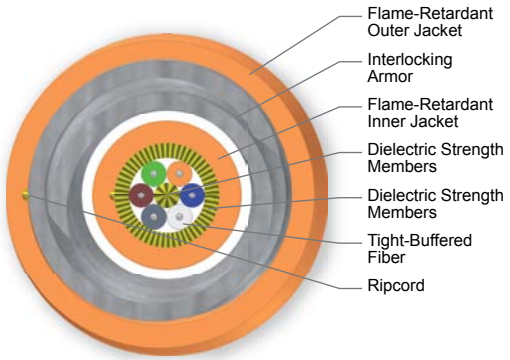
6 F, 62.5 µm multimode (OM1)

CORNING

Corning Cable Systems MIC® Interlocking Armored Plenum Cables are designed for use in plenum, riser and general purpose environments for intrabuilding backbone and horizontal installations. These multi-fiber cables use individually jacketed TBII® Buffered Fibers enabling easy, consistent stripping and facilitating termination. The fibers are grouped into jacketed subunits and surrounded by a dielectric central member. The core is protected by a flexible, spirally wrapped, aluminum interlocking armor that offers easy, one-step installation and over seven times the crush protection of unarmored cables. With a flame-retardant outer jacket, this cable is particularly useful for heavy traffic or more challenging mechanical exposure conditions and applications requiring extra rugged cables.



Part Number: 006K88-31130-A3



Cross Section of Part Number: 006K88-31130-A3

Features and Benefits

Flexible, interlocking armor design
Seven times crush protection compared to unarmored cables

TBII® Buffered Fibers
Easy, consistent stripping

Flame-retardant jacket
Rugged and durable

Standards

Approval and Listings	National Electrical Code® (NEC®) OFCP, CSA FT-6, ICEA S-83-596
Flame Resistance	

RoHS COMPLIANT

CORNING

MIC® Tight-Buffered, Interlocking Armored Cable, Plenum

6 F, 62.5 µm multimode (OM1)

CORNING

Specifications

General Specifications	
Environment	Indoor
Applications	General Purpose Horizontal, Vertical Riser, Plenum
Cable Type	Tight-Buffered
Product Type	Interlocking armor
Flame Rating	Plenum (OFCP)
Fiber Category	62.5 µm MM (OM1)

Temperature Range	
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Installation	0 °C to 60 °C (32 °F to 140 °F)
Operation	0 °C to 70 °C (32 °F to 158 °F)

Cable Design	
Central element	Yarn
Fiber Count	6
Tight buffer color	Blue, Orange, Green, Brown, Slate, White
Tensile strengths elements / armoring - Layer 1	Dielectric strength members
Number of Ripcords	2
Inner jacket material	Flame-retardant
Tensile strengths elements / armoring - Layer 3	Interlocking armor
Outer jacket material	Flame-retardant
Outer jacket color	Orange

MIC® Tight-Buffered, Interlocking Armored Cable, Plenum

6 F, 62.5 µm multimode (OM1)

CORNING

Mechanical Characteristics Cable	
Nominal Inner Cable Diameter	5.3 mm (0.21 in)
Nominal Outer Diameter	12.2 mm (0.48 in)
Weight	138 kg/km (92 lb/1000 ft)
Max. Tensile Strengths, Short-Term	440 N (100 lbf)
Max. Tensile Strengths, Long-Term	132 N (30 lbf)
Min. Bend Radius Installation	183 mm (7.2 in)
Min. Bend Radius Operation	122 mm (4.8 in)

Fiber Specifications

Optical Characteristics (cabled)	
Fiber Core Diameter	62.5 µm
Fiber Type	Multimode
Fiber Category	OM1
Fiber Code	K
Performance Option Code	30
Wavelengths	850 nm / 1300 nm
Maximum Attenuation	3.4 dB/km / 1 dB/km
Min. Overfilled Launch (OFL) Bandwidth	200 MHz*km / 500 MHz*km
Minimum Effective Modal Bandwidth (EMB)	220 MHz*km / -
Serial 1 Gigabit Ethernet	300 m / 550 m
Serial 10 Gigabit Ethernet	33 m / -

Notes: 1) Improved attenuation and bandwidth options available
2) Bend-insensitive single-mode fibers available on request
3) Contact a Corning Cable Systems Customer Service Representative for additional information

Ordering Information

Order Number	006K88-31130-A3
Product description	MIC® Tight-Buffered, Interlocking Armored Cable, Plenum, 6 F, 62.5 µm multimode (OM1)

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/cablesystems

CORNING