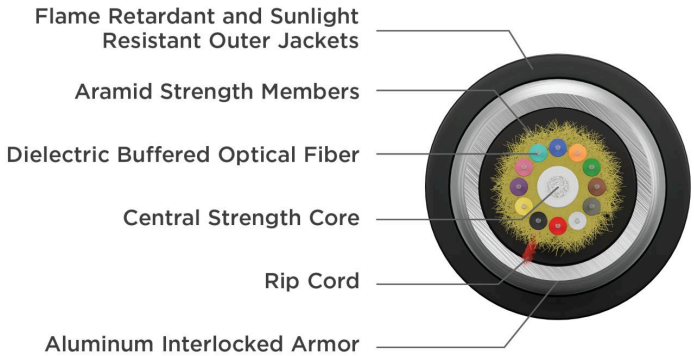
Dry Block / Indoor/Outdoor / Single Unit / 12 Fibers / MM-OM3 / Tight Buffer / OFCR / Interlocked Armor / Black

Part Number: F108-012U30-E991
Status: Made-to-Order
Returnable: Non-Returnable
Minimum Order Quantity: 3300





MADE IN THE USA

RoHS

GENERAL SPECIFICATIONS

Configuration	Single Unit
Cable Configuration	12 optical fibers surrounded by dielectric strength elements with an overall jacket
Jacket	PVC
Fiber Buffer Type	900 µm
Fiber Technology	TeraFlex® Bend Resistant; Laser Optimized
Fiber Specification	50/125
Performance Rating	10G/300
Bend Insensitive	Yes
Typical Attenuation (dB/km)	2.13/0.49 (850nm/1300nm)
Max Attenuation (dB/km)	3.0/1.5 (850nm/1300nm)

COMPLIANCE & SUSTAINABILITY

Standards Compliance	UL 1569 UL 1651 CSA C22.2 No. 232 NFPA 130 (Plenum)

COMPLIANCE & SUSTAINABILITY

	NFPA 262 Telcordia® GR-409-CORE, Issue 2 ANSI/ICEA S-104-696 ANSI/TIA-568.3-D RoHS-compliant
NRTL Programs	UL, c(UL) Listed OFCP UL, c(UL) Listed Sunlight Resistant
Sustainability	3rd party verified EPD

PHYSICAL CHARACTERISTICS

Nominal Diameter in (mm)	0.61 (15.6)
Nominal Weight lbs/kft (kg/km)	112 (167)
Maximum Compression lbf/in (N/cm)	286 (500)
Max. Tensile Loading Install lbs (N)	300 (1,440)
Max. Tensile Loading Long Term lbs (N)	90 (400)
Min. Bend Radius Install in (mm)	24.6 (625)
Min. Bend Radius Long Term in (mm)	12.3 (312)
Package Type	Wood Reel
Operating Temp. Range	-40°F to +158°F (-40°C to +70°C)
Storage/Shipping Temp. Range	-40°F to +158°F (-40°C to +70°C)
Installation Temp. Range	+32°F to +140°F (0°C to +60°C)

Product Description

Dry Block, Indoor/Outdoor, Interlocked Armor riser cable combines SAP dry block water-blocking with aluminum interlocked armor for an extremely well protected package suited to harsh environments. Flame retardant and sunlight resistant outer jackets cover the armor, while the 900 micron tight-buffered core with dielectric aramid strength members is fully water-blocked to prevent water ingress from OSP splice enclosures. The flexible interlock armored design is popular for retrofit applications and eliminates the need to install rigid conduit while still meeting building code guidelines. OFCR riser listed. Part number F108-012U30-E991 is the riser-rated armored (OFCR) black version: a 12-fiber OM3 50/125 multimode single-unit distribution cable with 900 µm tight buffer fibers, TeraFlex® Bend Resistant fiber, aluminum interlocked armor and a PVC jacket. Nominal diameter is 0.61 (15.6) in (mm) with an approximate weight of 116 (173) lbs/kft (kg/km), supplied on a wood reel.

Applications

- Intra/inter-building backbones
- Conduit/duct/tray pathways

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- Dry or wet locations

Features	Benefits
• 3rd Party Verified EPD	• Eligible to contribute towards LEED
• Thick, flexible metallic armor	• Reduce incidences of circuit disruption due to rodents or mechanically abusive applications
• Flame retardant, UL Listed designs	• Eliminates the need for multiple cables for installation
• Full line of Superior Essex cables available	• Customized designs reduces cable inventory requirements
• Water and fungus-resistant jacket	

Technical Guideline

Technical Guideline TG099 "Optical Fiber Specifications" provides detailed optical fiber performance specifications, including attenuation, dispersion, supportable Ethernet distances, and standards compliance. Click here for more information.

SUSTAINABILITY CERTIFICATIONS

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