Loose Tube, Gel-Free Cable, Riser

CORNING

Corning loose tube gel-free riser cables are flame-retardant, indoor/outdoor, riser-rated cables designed for interbuilding and intrabuilding backbones in aerial, duct and riser applications. These cables are protected against water penetration by innovative water-blocking materials that swell to absorb water. Water-blocking without the use of messy gels provides more efficient and craft-friendly cable preparation. It also makes cable access easier and simplifies the use of buffer tube fan-out kits. The buffer tubes and fibers in each tube are color coded for quick, easy identification. The cable design is also National Electrical Code (NEC) listed (OFNR and FT-4). The all-dielectric cable construction requires no grounding or bonding, and the UV-resistant, flame-retardant jacket is rugged, durable and easy to strip. The colored jacket allows for easy visual identification of the cables while still providing all of the required environmental protection of an indoor/outdoor cable jacket. Black is the standard jacket color using the part numbers shown here. Contact Customer Care at 1-800-743-2675.

Features and Benefits

Loose tube

Craft-friendly cable preparation

Color-coded tubes and fibers

Quick and easy identification

Flame-retardant jacket

Rugged and durable

Common installations

Indoor riser when installed according to National Electrical Code® (NEC®) Article 770

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Specifications

General Specifications	
Environment	Indoor
Product Type	Dielectric
Cable Type	Loose Tube
Flame Rating	Riser (OFNR)

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	0 °C - 60 °C (32 °F - 140 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)
Notes	Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Design Characteristics Cable				
Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes	Buffer Tube Diameter
24 - 72	12	6	2 - 6	2.5 mm (0.1 in)
144	12	12	12	2.5 mm (0.1 in)

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Mechanical Characteristics Cable					
Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term
24	11.2 mm (0.44 in)	168 mm (6.61 in)	112 mm (4.41 in)	2700 N (606.98 lbf)	810 N (182.1 lbf)
72	11.2 mm (0.44 in)	168 mm (6.61 in)	112 mm (4.41 in)	1320 N (296.75 lbf)	400 N (89.92 lbf)
144	17.1 mm (0.67 in)	256 mm (10.08 in)	171 mm (6.73 in)	1320 N (296.75 lbf)	400 N (89.92 lbf)

Transmission Performance

Single-mode	
Performance Option Code	01
Fiber Category	G.652.D
Fiber Name	Single-mode (OS2)
Wavelengths	1310 nm / 1383 nm / 1550 nm
Fiber Code	E
Maximum Attenuation	0.4 dB/km / 0.4 dB/km / 0.3 dB/km

RoHS COMPLIANT

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