

Specifications

Maximum Tensile Loads	Short-Term: 2700 N (600 lbf) Long-Term: 600 N (135 lbf)
Temperatures	Storage: -40° to +70°C (-40° to +158°F) Installation: -10° to +60°C (+14° to +140°F) Operation: -20° to +70°C (-4° to +158°F)
Approvals and Listings	National Electrical Code® (NEC®) OFNR, CSA FT-4
Common Installation	Indoor vertical riser and general purpose horizontal according to NEC Article 770
Design and Test Criteria	ANSI/ICEA S-83-596

Corning Cable Systems recommends storing indoor/outdoor cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Fiber Count	Nominal Weight kg/km (lb/1000 ft)	Nominal Outside Diameter – mm (in)	Minimum Bend Radius	
			Loaded cm (in)	Installed cm (in)
12-96	149 (100)	13.3 (0.52)	20.0 (7.9)	13.3 (5.2)
108-216	196 (131)	16.3 (0.64)	24.5 (9.6)	16.3 (6.4)

Transmission Performance

Fiber Code	K	C	S	E
Performance Option Code	30	31	80	01
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Single-mode (1310/1383/1550 nm)
Maximum Attenuation (dB/km)	3.5/1.0	3.5/1.5	3.0/1.5	0.4/0.4/0.3
Minimum LED Bandwidth (MHz•km)	200/500	500/500	1500/500	- / - / -
Minimum Effective Modal Bandwidth (MHz•km)	*220/ -	*510/ -	**2000/ -	- / - / -
Serial Gigabit Ethernet Distance (m)	300/550	600/600	1000/600	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	82/ -	300/ -	10000/40000

* As predicted by RML BW, per TLA/ELA 455-204 and IEC 60793-1-41, for intermediate performance laser-based systems (up to 1 Gb/s).

** As predicted by minEMBc, per TLA/ELA 455-220 and IEC 60793-1-49, for high performance laser-based systems (up to 10 Gb/s).

Ordering Information

Contact Customer Service for other options.

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

1 - 3 Select fiber count.

Standard Offerings:

024 048 144
036 072 216

4 Select fiber code (see Transmission Performance Table).

5 / 12 Defines cable type.

C/- = Ribbon cable

6 Defines outer jacket.

7 = Riser

7 Defines fiber placement.

1 = Standard

8 Defines length markings.

4 = Markings in feet (standard)

9 Defines tensile strength

1 = Standard

10 - 11 Select performance option code.
(see Transmission Performance Table).

13 - 14 Defines special requirements.

20 = No special requirements

Note: Use with ribbon fan-out kits for direct connectorization application.