

# Ribbon Plenum Interconnect Cables

A LANscape®  
Solutions Product

## features and benefits |

Meets NEC®  
requirements

Meets burn test criteria

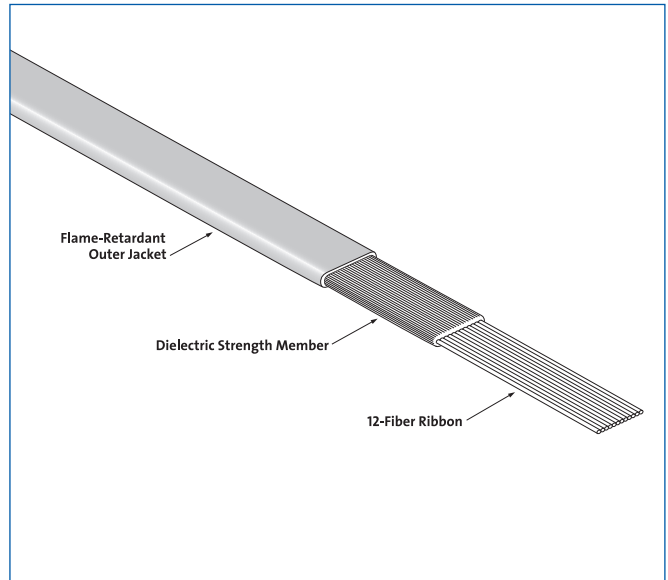
All-dielectric  
strength member

Mechanical durability

Corning Cable Systems Ribbon Plenum Interconnect Cables are designed for multi-fiber connector interconnect applications from equipment to patch panel or as a patch cord. Available with two, four, eight or 12 fibers, these cables make compact, rugged patch cables and offer a perfect complement to multi-fiber connector strategies. Dielectric strength members offer mechanical durability within a flexible, flame-retardant jacket. The cables meet application requirements of the National Electric Code® (NEC®) Article 770 and are also OFNP and FT-6 listed.



Ribbon Plenum Interconnect Cables | Photo LAN255



Ribbon Plenum Interconnect Cables  
| Drawing ZA-1753



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## transmission performance |

	LANscape® 62.5 Solutions	LANscape Pretium® 150 Solutions	LANscape Pretium 300 Solutions	LANscape Pretium 550 Solutions	LANscape Pretium 600 Solutions	Single-Mode
Fiber Code	K	T	T	T	T	E
Performance Option Code	30	31	80	90	91	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3***	OM4***	OM4***	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.50
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	1500/500	3500/500	3500/500	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz•km)	220/ -	950/ -	2000/ -	4700/ -	5350/ -	- / - / -
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1000/600	1000/600	5000 / - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	150/ -	300/ -	550*/ -	600**/ -	10000/ - /40000

\* Assumes 1.0 dB maximum total connector/splice loss.

\*\* Assumes 0.7 dB maximum total connector/splice loss.

\*\*\* Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play™ Systems solutions.

\*\*\*\* ITU 652.D compliant.

### 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.
- 4) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for 2 turns around 7.5 mm radius mandrel.

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ordering information | Contact Customer Service at 800-743-2671 for other options.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>J</b>	<b>8</b>	<b>-</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>1</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>-</b>	<b>0</b>	<b>F</b>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	

## | 1-3

Select fiber count.  
Standard offerings:  
002 004 008 012

## | 4

Select fiber code  
(see Transmission  
Performance table).

## | 5 / 12

Defines cable type.  
J / - = Ribbon interconnect

## | 6

Defines outer jacket.  
8 = Plenum

## | 7-8

Select fiber count  
(must match fiber count  
in option 1-3).

41 = 4 fibers (when 002  
or 004 is selected  
in option 1-3)

81 = 8 fibers (when 008 is  
selected in option 1-3)

T3 = 12 fibers (when 012 is  
selected in option 1-3)

## | 10-11

Select performance  
option code (see  
Transmission  
Performance table).

## | 13-14

Defines special  
manufacturing code.  
0F = Ribbon interconnect

## | 9

Defines tensile rating.

1 = Standard ribbon  
interconnect

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