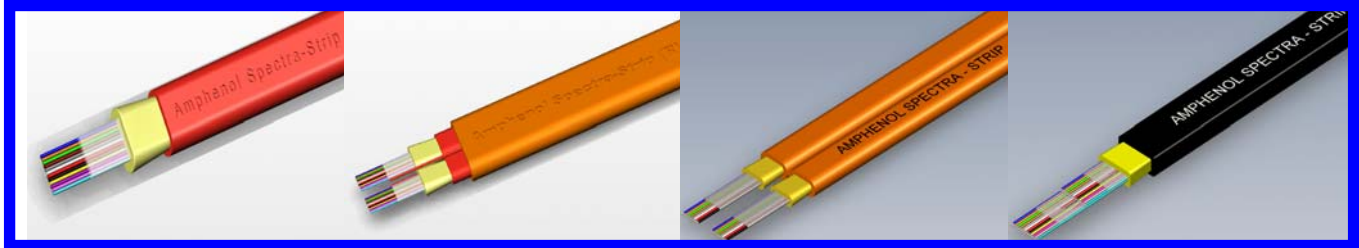


# Amphenol Spectra-Strip

## Fiber Optics

720 Sherman Avenue, Hamden CT, 06514 USA

## Spectra-LINK™ Optical Ribbon Cable



12 fiber

16 fiber

24 fiber

24 fiber

### Summary

- Compact design combines high fiber density in a small, flexible package
- Up to 24 fiber count, with single mode, 50µm or 62.5µm core graded index multimode fibers
- Easily removable acrylate ribbon matrix material facilitates stripping and breakout for splicing or termination
- Superior Tensile, Crush, and Flex Ratings
- Available in Riser, Plenum and LSHF ratings
- RoHS / REACH Compliant

### Applications

- Optical QSFP with 8 fibers
- Extended reach, high bandwidth storage / server interconnect with MT, MTP®, or MPO connector
- High Density interconnection to wall outlets or patch panels with ribbon connector interfaces
- Fan-out cables utilizing standard industry fiber connectors (ST, SC, FC, LC, MT-RJ)
- VSR OC-192/OC-768 Interface based on parallel fiber optics and VCSEL lasers
- Ideal for multi-fiber connector interconnect applications from equipment to patch panel or as a patch cord

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### Spectra-LINK™ Optical Ribbon Cable

#### Specifications

Part Number <sup>1</sup>		055-XX02-012	155-XX03-024	155-XX05-016	055-XX99-998
Max # of fibers		12	24	16	24
Cable Design		Simplex	Duplex (2x12f)	Zip (2x8f)	Simplex (double pod)
Dimensions (mm)		4.7 x 2.0	10.7 x 3.6	8.3 x 2.1	4.6 x 2.5
Weight (kg/km)		12	48	18	16
Jacket Material		PVDF	PVDF Subunit / PVC Alloy Outer	LSZH	PVC Alloy
NEC/CSA Listing		OFNP / FT-6	OFNP / FT-6	LSZH	OFNP / FT-6
Temp Rating (°C)	Operating	-20 to 70	-20 to 70	-5 to 70	-14 to 70
	Storage	-20 to 70	-20 to 70	-40 to 70	-14 to 70
	Installation	-20 to 70	-20 to 70	-5 to 70	-14 to 70
Min Bend Radius	Installation	4.0 cm	7.2 cm	4.0 cm	61 cm
	Long Term	2.0 cm	3.6 cm	2.0 cm	61 cm
Tensile Load Rating (N)		1500 <sup>2</sup>	1500 <sup>2</sup>	440	220 <sup>3</sup>
Crush Resistance (N/cm)		1000 <sup>2</sup>	1000 <sup>2</sup>	140	35 <sup>3</sup>
Cable Flex (Cycles)		10,000 <sup>2</sup>	10,000 <sup>2</sup>	300 <sup>3</sup>	--
Max Spool Length		4000m	2000m	3000m	3000m

<sup>1</sup>See table below for specific optical performance; <sup>2</sup>Per IBM Standard; <sup>3</sup>Per GR-409

XX in Part Number =====>		03	05	07	09
Core OD (um)	Unit	50 +/- 2.5	62.5 +/- 2.5	50 +/- 2.5	50 +/- 2.5
Max Cable Attenuation @ 850nm / 1300nm	dB/km	3.5 / 1.5	3.5 / 1.5	3.5 / 1.5	3.5 / 1.5
Min Bandwidth @ 850nm / 1300nm	MHz-km	500/500	200/500	1500/500	2000/500
1 GbE Link Length @ 850nm / 1300nm	m	600/600	--	--	--
10 GbE Link Length @ 850nm	m	--	--	300	400
Min Fiber Proof Test	kpsi	100	100	100	100