

ADSS Aramid Single Jacket Cable up to 100m span LT 2.3

CORNING

Corning single jacket ADSS cables for short span application are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one-step installation in campus backbones with self-supporting installations where metallic messengers cannot be used. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber. The economical single-jacket design can span distances up to 100m in NESC light/medium conditions and 50m in NESC heavy conditions (see sag and tension chart for details). This cable incorporates innovative waterblocking materials, eliminating the need for traditional flooding compound and providing efficient and craft-friendly cable preparation. While the concentric, self-supporting cable design allows easy, one-step installation using standard hardware and installation methods, the SZ-stranded, loose tube design isolates optical fibres from installation and environmental rigors and facilitates mid-span access. These ADSS optical cables are available with HDPE jacket for installation in telecom applications.

Features and Benefits

All dielectric self-supporting aerial cable

Non-metallic strength members over the cable core

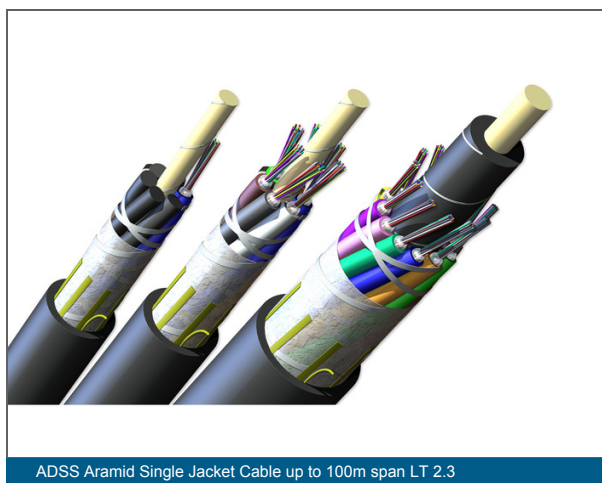
Dry cable core by swellable elements

Single-layer stranded construction up to 144 fibers

Single-mode fibers fully compliant to standard ITU G.652 D (reduced OH- peak) showing low attenuation throughout the 1285 nm to 1625 nm wavelength range

Telcordia standard for fiber and loose tube coloring

Cable design according to CORNING standard



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RoHS	
RoHS 2011/65/EU	

Specifications

	Self-Supporting, ADSS








Temperature Range	
	-40 °C - 70 °C (-40 °F - 158 °F)
	-5 °C - 50 °C (23 °F - 122 °F)
	-40 °C - 70 °C (-40 °F - 158 °F)

Design Characteristics Cable			
12 - 72	12	6	1 - 6
96	12	8	8
144	12	12	12

Mechanical Characteristics Cable							
							Cable Weight
12 - 72	10.5 mm	158 mm	210 mm	2000 N/10 cm	4600 N	2770 N	84 kg/km
96	11.8 mm	177 mm	236 mm	2000 N/10 cm	5200 N	3120 N	107 kg/km

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Mechanical Characteristics Cable							
							Cable Weight
144	14.9 mm	227 mm	302 mm	2000 N/10 cm	5880 N	3600 N	165 kg/km

Transmission Performance

Single-mode		
◆◆◆◆	◆◆◆◆ (OS2)	◆◆ (OS2)
◆◆◆◆◆◆◆◆	20	22
◆◆◆◆◆	OS2	OS2
◆◆	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
◆◆◆◆◆	Z	E
◆◆◆◆◆	0.34 dB/km / 0.34 dB/km / 0.20 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km



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