ADSS Aramid Single Jacket Cable up to 200m span LT 2.3

CORNING

Corning single jacket ADSS cables for medium span applications 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 of 100m in NESC heavy conditions, 150m in NESC medium conditions and 200m in NESC light conditions.
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

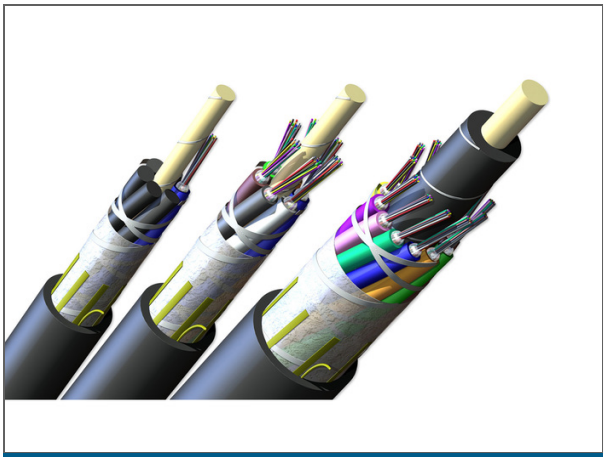
Dry cable core by swellable elements

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

Specifications

General Specifications	
Environment	Outdoor
Cable Type	Loose Tube

Temperature Range	
Temperature Range, Storage	-40 °C - 70 °C (-40 °F - 158 °F)
Temperature Range, Installation	-5 °C - 50 °C (23 °F - 122 °F)
Temperature Range, Operation	-40 °C - 70 °C (-40 °F - 158 °F)

Design Characteristics Cable			
Fiber Count	Fibers per Tube	Number of Tube Positions	Number of Active Tubes
12 - 72	12	6	1 - 6
96	12	8	8
144	12	12	12

Mechanical Characteristics Cable							
Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush Resistance	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Cable Weight
12 - 72	10.8 mm	162 mm	216 mm	2000 N/10 cm	6880 N	4240 N	88 kg/km
96	12.2 mm	183 mm	244 mm	2000 N/10 cm	7600 N	4660 N	114 kg/km

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Mechanical Characteristics Cable							
Fiber Count	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation	Crush Resistance	Max. Tensile Strength, Short-Term	Max. Tensile Strength, Long-Term	Cable Weight
144	15.1 mm	227 mm	302 mm	2000 N/10 cm	8540 N	5330 N	170 kg/km

Transmission Performance

Single-mode		
Fiber Name	Bend-Improved Single-mode (OS2)	Single-mode (OS2)
Performance Option Code	20	22
Fiber Category	OS2	OS2
Wavelengths	1310 nm / 1383 nm / 1550 nm	1310 nm / 1383 nm / 1550 nm
Fiber Code	Z	E
Maximum Attenuation	0.34 dB/km / 0.34 dB/km / 0.20 dB/km	0.36 dB/km / 0.36 dB/km / 0.22 dB/km

RoHS COMPLIANT

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