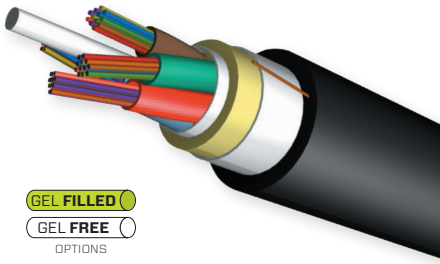
Flex-Span® ADSS Fiber Optic Cable



AFL Flex-Span All-Dielectric Self-Supporting (ADSS) cable is designed for aerial distribution power lines, as well as underground duct applications. As its name indicates, there are no metallic components and the cable does not require a support or messenger wire. Flex-Span ADSS cables are a single jacket design intended for the shorter pole-to-pole span lengths in a distribution environment. A broad combination of fiber counts and spans lengths in this product family provide network designers with flexibility in their cable selection.

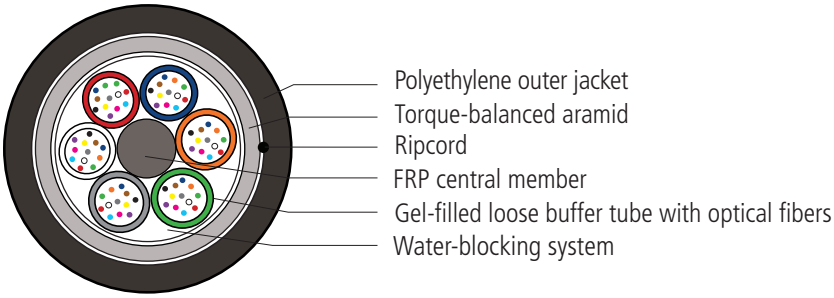
Features

- Build America/Buy America options available
- Gel-Filled Tubes are reverse-oscillated to allow slack for mid-span access – up to 288 fibers in cable
  - Gel-Free Buffer Tube options available – up to 216 fibers
- Pole-to-pole span lengths up to 1100 feet
- Single jacket design decreases the diameter and weight when compared to double jacket ADSS cable; thus reducing pole loading
- No separation requirement of ADSS from conductors per National Electric Safety Code (NESC) section 235

Applications

- Electric utility distribution power lines
  - Framed in supply or communications space
- Underground duct
- Enterprise OSP networks
- Fiber-to-the-X networks

Cable Components (Representative)



Optical Information

Fiber Type	"X"	Standard	Mode Field Diameter	Attenuation		
				850 nm	1300 nm	1550 nm
250 µm Single-mode	9	ITU-T G.652D/657.A1	9.2 um nominal	N/A	0.35	0.25
Corning 250 µm Single-mode	AZ	ITU-T G.652D/657.A1	9.2 um nominal	N/A	0.35	0.25
BABA-Compliant 250 µm Single-mode	BK	ITU-T G.652D/657.A1	9.2 um nominal	N/A	0.35	0.25
BABA-Compliant Corning 250 µm Single-mode	BL	ITU-T G.652D/657.A1	9.2 um nominal	N/A	0.35	0.25
62.5/125 GIGA-Link 300	6	OM1	62.5 um nominal	3.5	1.2	N/A
50/125 GIGA-Link 600	5	ITU G651.1/OM2	50 um nominal	2.9	0.9	N/A
50/125 Laser-Link 300	L	ITU G651.1/OM3	50 um nominal	2.9	0.9	N/A

AFL CERTIFIED BEAD COMPLIANT

AFL CERTIFIED BABA COMPLIANT

continued

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Flex-Span® ADSS Fiber Optic Cable

Reel Information

Item	Reel A		Reel B		Reel C		Reel D		Reel E	
	inches	cm	inches	cm	inches	cm	inches	cm	inches	cm
Reel Height	42	106.7	58	147.3	66	167.6	72	167.6	84	213.4
Reel Width Outside	36	91.4	38	96.5	42	106.7	42	106.7	40	101.6
Reel Width Inside	32	81.6	32	81.3	36	91.4	36	91.4	34	86.4
Drum Diameter	23	58.7	28	71.1	36	91.4	36	91.4	35	88.9
Arbor Hole Diameter	3	7.9	3	7.9	3	7.9	3	7.9	3	7.9
Reel Weight with Lagging	180 lbs	82 kg	420 lbs	191 kg	685 lbs	311 kg	710 lbs	311 kg	950 lbs	431 kg

AFL provides ADSS cable on several standard sizes of non-returnable wooden reels. Non-standard reel sizes are available upon request.

Typical Maximum Lengths

Cable Diameter	Reel Capacity	
	feet	meters
< 0.85" (21.6 mm)	23,000	7,000

NOTE: Longer lengths may be available upon request.

Recommended Products for ADSS Fiber Optic Cable

Description	AFL No.
Fiber Optic Cable Accessories	
ADSS Formed Wire Deadends	Refer to the ADSS Formed Wire Deadends spec sheet for specific AFL No.
ADSS Suspension Unit	Refer to the ADSS Suspension Unit spec sheet for specific AFL No.
ADSS Trunnion Assemblies	Refer to the ADSS Trunnion Assemblies spec sheet for specific AFL No.
ADSS Temporary Grip	Refer to the ADSS Temporary Grip spec sheet for specific AFL No.
AGC Downlead Clamp for ADSS	Refer to the AGC Downlead Clamp for ADSS spec sheet for specific AFL No.
AVD Series Spiral Vibration Dampers	Refer to the AVD Series Spiral Vibration Dampers spec sheet for specific AFL No.
Coil Brackets	Refer to the Coil Brackets spec sheet for specific AFL No.
For more ADSS Cable Accessories, go to the ADSS Fiber Optic Cable Hardware web page	
Fiber Optic Splice Closures	
Apex® X-2 Sealed Splice Closure	Refer to the Apex X-2 spec sheet for specific AFL No.
Apex® X-2S Sealed Splice Closure	Refer to the Apex X-2S spec sheet for specific AFL No.

Temperature Specifications

Temperature Range	
Operation	-40°C to +70°C
Storage	-50°C to +70°C
Installation	-30°C to +70°C

Qualifications

Governing Body	Standard Code	Component
IEEE	1222	Cable
TIA	598-D	Fiber

Contact AFL for your customized ADSS solution.

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