

PRODUCT DESCRIPTION

ADSS 100 is an All Dielectric Self Supporting (ADSS) cable suitable for aerial applications with a maximum span of approximately 100 meters. The exact span limit will vary depending on wind and loading conditions, sag requirements and other factors. This black, PE jacketed cable is UV-stabilized and water blocked for outdoor aerial applications. The loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications. The high modulus aramid yarns provide high tensile strength and long term reliability. Sag and tension charts are available.

APPLICATIONS

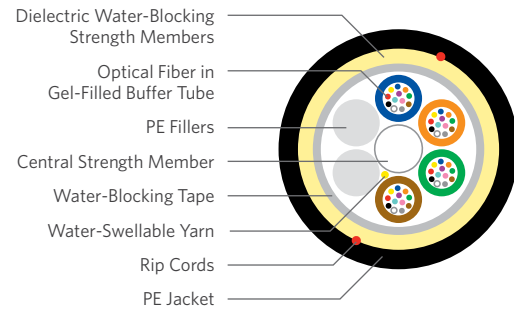
- Low-voltage transmission and distribution system (space potential ≤ 12 kV)
- Railways and telecommunications pole route
- Suitable for all type of aerial lines

FEATURES

- Available with up to 288-fiber
- Dry core standard
- Lower cost than Figure 8
- Energized installation

BENEFITS

- High fiber density
- Reduces cable prep time
- Reduced network cost
- No system turn off



SPECIFICATIONS

Fiber Count	Available in 6-fiber up to 288-fiber
Compressive Strength lbs/in (N/cm)	Install: 125 (220) Long Term: 63 (110)
Recommended Hardware	FIBERLIGN® dead-end for ADSS Limited Tension
Standards Design and Test	ICEA S-87-640 IEEE 1222

ENVIRONMENTAL SPECIFICATIONS

Operation/Storage	-40°C to +70°C
Installation	-30°C to +70°C

PART NUMBER KEY

1	F	_	_	_	x	1	1	y
1	2	3	4	5	6	7	8	9
Product family	Fiber count (006-288)	Fiber type	Internal designator	100 meter span	Water block/ marking (1-8)			

Contact Customer Service for availability of non-standard offerings.

PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number ¹	Fiber Count	Nominal Diameter in (mm)	Nominal Weight lbs/kft (kg/km)	Minimum Bend Radius	
				Install in (mm)	Long Term in (mm)
1F006x11y	6	0.50 (12.6)	70 (105)	10.0 (253)	5.0 (126)
1F012x11y	12	0.50 (12.6)	70 (105)	10.0 (253)	5.0 (126)
1F024x11y	24	0.50 (12.6)	70 (105)	10.0 (253)	5.0 (126)
1F048x11y	48	0.50 (12.6)	70 (105)	10.0 (253)	5.0 (126)
1F072x11y	72	0.50 (12.6)	70 (105)	10.0 (253)	5.0 (126)
1F096x11y	96	0.53 (13.4)	91 (136)	10.6 (268)	5.3 (134)
1F144x11y	144	0.68 (17.2)	146 (217)	13.5 (343)	6.8 (172)
1F216x11y	216	0.68 (17.2)	166 (247)	13.5 (343)	6.8 (172)
1F288x11y	288	0.81 (20.5)	187 (278)	16.2 (411)	8.1 (205)

SINGLE MODE OPTICAL FIBER TYPES

	TeraFlex® Bend Resistant		
	Conventional	Reduced Water Peak	Zero Water Peak
¹ Replace "x" with:	9	3	2
	K	J	L

See the "Optical Fiber Selection Chart" in the "Technical Information" section for detailed fiber type specifications.

WATER BLOCK AND JACKET PRINT CODES

	dry core		flooded core		dry core special		flooded core special	
	feet	meters	feet	meters	feet	meters	feet	meters
¹ Replace "y" with:	1	2	3	4	5	6	7	8