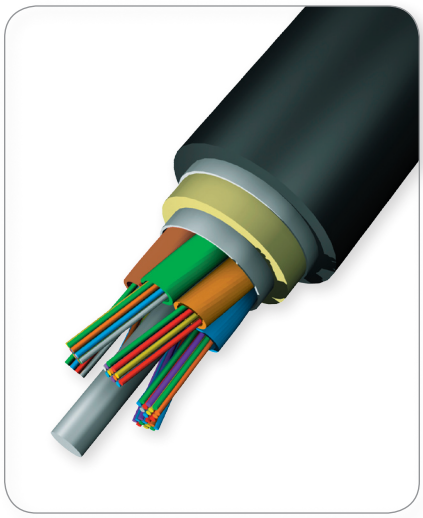


ADSS Mini-Span® 535

Dry Core Design

Typical Spans with 1.0% Installation Sag:

- NESC Heavy 575 ft (175 meters)
- NESC Medium 850 ft (259 meters)
- NESC Light 1050 ft (320 meters)

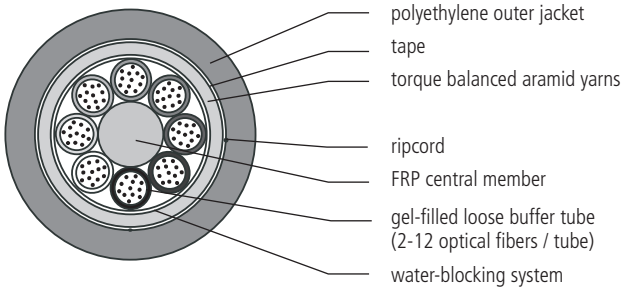
Temperature Range

Operating – 40ºC to + 70ºC

Storage – 50ºC to + 70ºC

Installation – 30ºC to + 70ºC

Cable Components



Mechanical Data

FIBER COUNT	NOMINAL DIAMETER		NOMINAL WEIGHT		MAXIMUM LENGTHS*			
					SINGLE-MODE		MULTIMODE	
	INCHES	MM	LBS/1000'	KG/KM	FEET	METERS	FEET	METERS
2-96 Fibers	0.535	13.6	100	148	32,800	10,000	26,250	8,000

* Longer lengths may be available upon request.

Installation Information

MAXIMUM SAGGING TENSION		MAXIMUM LOADING OPERATING TENSION		MINIMUM BENDING RADIUS (DYNAMIC)		MINIMUM BENDING RADIUS (STATIC)	
LBS	N	LBS	N	INCHES	CM	INCHES	CM
1,306	5,809	1,783	7,936	13	27	5	14

Optical Information

PARAMETERS	SINGLE-MODE (1310nm/1550nm)	MULTIMODE *62.5/125µm (850nm/1300nm)	MULTIMODE 50/125µm (850nm/1300nm)
Maximum Attenuation (dB/km)	.35/.25	3.5/1.2	2.9/0.9
Bandwidth (MHz•km)	n/a	200/600	500/500

* All 62.5/125 µm multimode ADSS cable transmission performances meet or exceed FDDI requirements.
Premium transmission performance fibers available on request.

© 2011, AFL, all rights reserved. Revision 1, 9.12.11
Specifications are subject to change without notice.

ADSS Mini-Span® 535

Ordering Information

FIBER COUNT	FIBERS PER TUBE	NUMBER OF TUBES / FIBERS	PART NUMBER		
			SINGLE-MODE	MULTIMODE 62.5/125	MULTIMODE 50/125
6	6	1 w/6 (7 fillers)	AE0069C820EA7	AE0066C820EA7	AE0065C820EA7
12	12	1 w/12 (7 fillers)	AE0129C820EA7	AE0126C820EA7	AE0125C820EA7
18	12	1 w/12, 1 w/6 (6 fillers)	AE0189C820EA7	AE0186C820EA7	AE0185C820EA7
24	12	2 w/12 (6 fillers)	AE0249C820EA7	AE0246C820EA7	AE0245C820EA7
30	12	2 w/12, 1 w/6 (5 fillers)	AE0309C820EA7	AE0306C820EA7	AE0305C820EA7
36	12	3 w/12 (5 fillers)	AE0369C820EA7	AE0366C820EA7	AE0365C820EA7
48	12	4 w/12 (4 fillers)	AE0489C820EA7	AE0486C820EA7	AE0485C820EA7
60	12	5 w/12 (3 fillers)	AE0609C820EA7	AE0606C820EA7	AE0605C820EA7
72	12	6 w/12 (2 fillers)	AE0729C820EA7	AE0726C820EA7	AE0725C820EA7
84	12	7 w/12 (1 filler)	AE0849C820EA7	AE0846C820EA7	AE0845C820EA7
96	12	8 w/12 (no fillers)	AE0969C820EA7	AE0966C820EA7	AE0965C820EA7

Contact customer service for price and availability. Non-zero dispersion-shifted fibers are also available.

Sag & Tension Information

SPAN		INITIAL SAG	INITIAL TENSION		NESC LIGHT LOADING			NESC MEDIUM LOADING			NESC HEAVY LOADING		
					SAG	TENSION		SAG	TENSION		SAG	TENSION	
FEET	METERS	%	LBS	N	%	LBS	N	%	LBS	N	%	LBS	N
50	15	1	62	276	0.4	160	713	1.5	206	918	2.1	297	1,319
100	30	1	124	552	0.5	274	1,220	1.7	347	1,542	2.5	489	2,176
150	46	1	187	832	0.6	375	1,670	1.9	469	2,087	2.8	655	2,915
200	61	1	249	1,108	0.6	469	2,088	2.1	582	2,590	3.1	807	3,588
250	76	1	311	1,383	0.6	559	2,486	2.2	689	3,063	3.3	948	4,217
300	91	1	373	1,659	0.6	645	2,868	2.3	790	3,515	3.4	1,082	4,813
350	107	1	435	1,935	0.7	728	3,239	2.4	888	3,951	3.6	1,210	5,384
400	122	1	497	2,211	0.7	810	3,601	2.5	983	4,374	3.7	1,334	5,935
450	137	1	560	2,491	0.7	889	3,956	2.5	1,076	4,785	3.8	1,454	6,469
500	152	1	622	2,767	0.7	968	4,304	2.6	1,166	5,188	3.9	1,571	6,988
550	168	1	684	3,043	0.7	1,045	4,647	2.7	1,255	5,583	4.0	1,685	7,495
575	175	1	715	3,180	0.7	1,083	4,817	2.7	1,299	5,778	4.1	1,741	7,745
600	183	1	746	3,318	0.7	1,121	4,985	2.7	1,342	5,971	—	—	—
650	198	1	808	3,594	0.8	1,196	5,320	2.8	1,428	6,353	—	—	—
700	213	1	870	3,870	0.8	1,270	5,650	2.8	1,513	6,730	—	—	—
750	229	1	933	4,150	0.8	1,344	5,978	2.8	1,597	7,102	—	—	—
800	244	1	995	4,426	0.8	1,417	6,303	2.9	1,679	7,469	—	—	—
850	259	1	1,057	4,702	0.8	1,489	6,625	2.9	1,761	7,833	—	—	—
900	274	1	1,119	4,978	0.8	1,561	6,945	—	—	—	—	—	—
950	290	1	1,181	5,253	0.8	1,633	7,263	—	—	—	—	—	—
1,000	305	1	1,243	5,529	0.8	1,704	7,579	—	—	—	—	—	—
1,050	320	1	1,306	5,809	0.8	1,775	7,894	—	—	—	—	—	—

*weight/sag and tension subject to change.

Reel Information

ITEM	REEL A		REEL B		REEL C		REEL D	
	INCHES	CM	INCHES	CM	INCHES	CM	INCHES	CM
Reel Height	42	106.7	58	147.3	66	167.6	72	182.8
Reel Width Outside	36	91.4	38	96.5	42	106.7	42	106.7
Reel Width Inside	32	81.6	32	81.3	36	91.4	36	91.4
Drum Diameter	23	58.7	28	71.1	36	91.4	36	91.4
Arbor Hole Diameter	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	320 kg
Maximum Cable Length	5,500 ft	1,675 m	12,800 ft	3,900 m	17,225 ft	5,250 m	22,700 ft	6,920 m

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

© 2011, AFL, all rights reserved. Revision 1, 9.12.11
Specifications are subject to change without notice.