

ADSS Mini-Span® 424

Dry Core Design

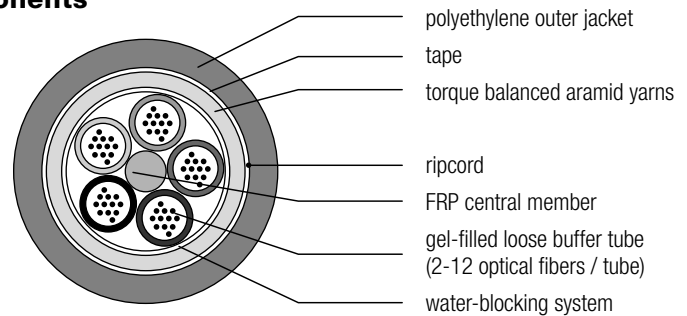
Typical Spans with 1.0% Installation Sag:

- NESC Heavy 275 ft (84 meters)
- NESC Medium 450 ft (137 meters)
- NESC Light 600 ft (183 meters)

Temperature Range

- Operating - 40°C to + 70°C
- Storage - 50°C to + 70°C
- Installation - 30°C to + 70°C

Cable Components



Mechanical Data

FIBER COUNT	NOMINAL DIAMETER		NOMINAL WEIGHT		MAXIMUM LENGTHS*			
	INCHES	MM	LBS/1000'	KG/KM	SINGLE-MODE		MULTIMODE	
					FEET	METERS	FEET	METERS
2-60	0.424	10.8	57	84	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
424	1886	707	3145	9	22	4	11

Optical Information

PARAMETERS	SINGLE-MODE (1310nm/1550nm)	MULTIMODE *62.5/125µm (850nm/1300nm)	MULTIMODE 50/125µm (850nm/1300nm)
Maximum Attenuation (dB/km)	0.40/0.30	3.5/1.2	3.5/1.2
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.

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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 (4 fillers)	AE0069C520AA4	AE0066C520AA4	AE0065C520AA4
12	12	1 w/12 (4 fillers)	AE0129C520AA4	AE0126C520AA4	AE0125C520AA4
18	12	1 w/12, 1 w/6 (3 fillers)	AE0189C520AA4	AE0186C520AA4	AE0185C520AA4
24	12	2 w/12 (3 fillers)	AE0249C520AA4	AE0246C520AA4	AE0245C520AA4
30	12	2 w/12, 1 w/6 (2 fillers)	AE0309C520AA4	AE0306C520AA4	AE0305C520AA4
36	12	3 w/12 (2 fillers)	AE0369C520AA4	AE0366C520AA4	AE0365C520AA4
48	12	4 w/12 (1 filler)	AE0489C520AA4	AE0486C520AA4	AE0485C520AA4
60	12	5 w/12 (no fillers)	AE0609C520AA4	AE0606C520AA4	AE0605C520AA4

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	1.0	35	156	0.4	104	463	1.7	142	632	2.6	207	921
75	23	1.0	53	236	0.4	142	632	1.9	191	850	3.0	275	1,223
100	30	1.0	71	316	0.5	176	783	2.1	235	1,095	3.2	337	1,499
125	38	1.0	88	391	0.5	208	925	2.2	276	1,228	3.4	395	1,757
150	46	1.0	106	472	0.5	238	1,059	2.4	315	1,401	3.6	449	1,997
175	53	1.0	124	552	0.5	268	1,192	2.5	353	1,570	3.8	501	2,229
200	61	1.0	141	627	0.6	296	1,317	2.6	389	1,730	4.0	50	2,447
225	69	1.0	159	707	0.6	324	1,441	2.7	424	1,886	4.1	598	2,660
250	76	1.0	177	787	0.6	351	1,561	2.7	458	2,037	4.2	645	2,869
275	84	1.0	194	863	0.6	378	1,681	2.8	491	2,184	4.3	690	3,069
300	91	1.0	212	943	0.6	404	1,737	2.8	524	2,331	—	—	—
325	99	1.0	230	1,023	0.6	429	1,908	2.9	556	2,473	—	—	—
350	107	1.0	247	1,099	0.6	455	2,024	3.0	587	2,611	—	—	—
375	114	1.0	265	1,179	0.6	479	2,131	3.0	618	2,749	—	—	—
400	122	1.0	283	1,259	0.6	504	2,242	3.1	648	2,882	—	—	—
425	130	1.0	300	1,334	0.7	528	2,349	3.1	678	3,016	—	—	—
450	137	1.0	318	1,415	0.7	552	2,455	3.2	703	3,145	—	—	—
475	145	1.0	336	1,495	0.7	576	2,562	—	—	—	—	—	—
500	152	1.0	353	1,570	0.7	600	2,669	—	—	—	—	—	—
525	160	1.0	371	1,650	0.7	623	2,771	—	—	—	—	—	—
550	168	1.0	389	1,730	0.7	646	2,874	—	—	—	—	—	—
575	175	1.0	406	1,806	0.7	669	2,976	—	—	—	—	—	—
600	183	1.0	424	1,886	0.7	692	3,078	—	—	—	—	—	—

*weight/sag and tension subject to change

Reel Information

ITEM	REEL A		REEL B		REEL C	
	INCHES	CM	INCHES	CM	INCHES	CM
Reel Height	42	106.7	58	147.3	66	167.6
Reel Width Outside	36	91.4	38	96.5	42	106.7
Reel Width Inside	32	81.6	32	81.3	36	91.4
Drum Diameter	23	58.7	28	71.1	36	91.4
Arbor Hole Diameter	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
Maximum Cable Length	8,850 ft	2,700 m	20,250 ft	6,200 m	26,250 ft	8,000 m

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



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