



ADSS SAG AND TENSION PROPERTIES

Requirements of: Current Communications

Fiber Count:	12 to 72	Fibers
Maximum Span:	250.0	ft
Installation Sag:	1.0	%
Installation Temperature:	60.0	°F

Cable Specifications:

Maximum Rated Cable Load:	950	lb
Cable Diameter:	0.486	in
Cable Weight:	0.074	lb/ft
Ultimate Tensile Strength:	2193	lb
Sheath Configuration:	Single Jacket	
Outer Jacket Type:	HDPE	



Loading Conditions: NESC Heavy

Ice Thickness:	0.50	in
Wind Pressure:	4.0	psf
Temperature:	0.0	°F
Safety Factor:	0.30	lb/ft

Cable Description: 12 to 72F ESM EZ SPAN ADSS KP 950LB (12F/T)

Part Number:	ADES0950-12-ES-012 (12 fiber)
	ADES0950-12-ES-048 (48 fiber)

Installation

Span ft	Installation Sag		Install. Tension lb
	ft	% Span	
25.0	0.3	1.0%	23
50.0	0.5	1.0%	46
75.0	0.8	1.0%	70
100.0	1.0	1.0%	93
125.0	1.3	1.0%	116
150.0	1.5	1.0%	139
175.0	1.8	1.0%	162
200.0	2.0	1.0%	186
225.0	2.3	1.0%	209
250.0	2.5	1.0%	232

Maximum Loading Conditions

Span ft	Loaded Vert. Sag ft	Loaded Horiz. Sag ft	Maximum Tension lb	Cable Angle Degrees	No Wind Vert. Sag ft
25.0	0.3	0.2	217	36	0.4
50.0	0.9	0.7	322	36	1.0
75.0	1.6	1.1	413	36	1.8
100.0	2.4	1.7	496	36	2.7
125.0	3.2	2.3	574	36	3.7
150.0	4.1	2.9	647	36	4.7
175.0	5.0	3.6	717	36	5.8
200.0	6.0	4.3	784	36	6.9
225.0	7.0	5.1	849	36	8.1
250.0	8.1	5.8	912	36	9.3

Maximum Tension At Maximum Span:

Long Term:	232 lb
Short Term:	912 lb