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HELIAX® Coaxial and Elliptical Waveguide Hanger Spacing Guidelines

Hanger Spacing

Recommended maximum hanger spacings based on 150 ft. (46 m) tower height assumption are tabulated below for various wind speed and ice conditions. The recommendations are based on guidelines stated in EIA Standard RS-222, wind tunnel and vibration tests. They are current as of December 2018 and supersede previous recommendations.

These guidelines assume that all hangers are properly installed and tightened.

Standard Tower Configuration Spacing: 3 to 4 ft. (0.9 to 1.2 m)
For Typical Climates: Use the 125 mph (200 km/h), 1/2 in (13 mm) ice conditions

Severe or Mild Climates: Use the wind speed and ice conditions that most closely approximate the expected worst case conditions for the local climate

1. Snap-in Hangers

Nominal Cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)						
Wind Speed:		85 mph (137 km/h)				100 mph (160 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	SSH-12	4 (1.2)	3 (0.9)	2 (0.6)		4 (1.2)	3 (0.9)	2 (0.6)
5/8 in	206706A-6	4 (1.2)	4 (1.2)	3 (0.9)		4 (1.2)	3 (0.9)	2 (0.6)
7/8 in	SSH-78	4 (1.2)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	2 (0.6)
1-1/4 in	SSH-114	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	2 (0.6)
1-5/8 in	SSH-158	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	2 (0.6)
Wind Speed:		125 mph (200 km/h)				150 mph (240 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	SSH-12	3 (0.9)	3 (0.9)	2 (0.6)		3 (0.9)	2 (0.6)	1 (0.3)
5/8 in	206706A-6	3 (0.9)	3 (0.9)	2 (0.6)		2 (0.6)	2 (0.6)	1 (0.3)
7/8 in	SSH-78	3 (0.9)	3 (0.9)	2 (0.6)		2 (0.6)	1 (0.3)	1 (0.3)
1-1/4 in	SSH-114	3 (0.9)	3 (0.9)	2 (0.6)		2 (0.6)	1 (0.3)	1 (0.3)
1-5/8 in	SSH-158	3 (0.9)	3 (0.9)	2 (0.6)		2 (0.6)	1 (0.3)	1 (0.3)

Snap-in Hangers: Table 1

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

2. Standard Hangers

Nominal Cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)						
Wind Speed:		85 mph (137 km/h)				100 mph (160 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	43211A	4 (1.2)	3 (0.9)	2 (0.6)		4 (1.2)	3 (0.9)	2 (0.6)
5/8 in	42396A-9	5 (1.5)	5 (1.5)	4 (1.2)		5 (1.5)	5 (1.5)	4 (1.2)
7/8 in	42396A-5	5 (1.5)	5 (1.5)	4 (1.2)		5 (1.5)	5 (1.5)	4 (1.2)
1-1/4 in	42396A-1	4 (1.2)	4 (1.2)	4 (1.2)		4 (1.2)	4 (1.2)	3 (0.9)
1-5/8 in	42396A-2	4 (1.2)	4 (1.2)	4 (1.2)		4 (1.2)	3 (0.9)	3 (0.9)
3 in	31766A-11	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)
4 in	31766A-10	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)
5 in	33598-5	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)
Wind Speed:		125 mph (200 km/h)				150 mph (240 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	43211A	4 (1.2)	3 (0.9)	2 (0.6)		3 (0.9)	2 (0.6)	1 (0.3)
5/8 in	42396A-9	5 (1.5)	4 (1.2)	3 (0.9)		4 (1.2)	3 (0.9)	3 (0.9)
7/8 in	42396A-5	5 (1.5)	4 (1.2)	3 (0.9)		4 (1.2)	3 (0.9)	2 (0.6)
1-1/4 in	42396A-1	4 (1.2)	4 (1.2)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
1-5/8 in	42396A-2	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	2 (0.6)
3 in	31766A-11	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)
4 in	31766A-10	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)
5 in	33598-5	5 (1.5)	5 (1.5)	5 (1.5)		5 (1.5)	5 (1.5)	5 (1.5)

Standard Hangers: Table 2

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

3. Mini Click-On and Mini Block Hangers

Nominal Cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)						
Wind Speed:		85 mph (137 km/h)				100 mph (160 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
6 mm - 8 mm	68MCLICK, BHD-14, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
6 mm - 8 mm	68MCLICK, BHD-14, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
6 mm - 8 mm	68MCLICK, BHD-14, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	1.5 (0.61)
9 mm - 12 mm	912MCLICK, BHD-38, 1 Stack	4 (1.2)	4 (1.2)	3 (0.9)		4 (1.2)	3 (0.9)	3 (0.9)
9 mm - 12 mm	912MCLICK, BHD-38, 2 Stack	4 (1.2)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
9 mm - 12 mm	912MCLICK, BHD-38, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
13 mm - 16 mm	1316MCLICK, BHD-12S, 1 Stack	4 (1.2)	4 (1.2)	4 (1.2)		4 (1.2)	3 (0.9)	3 (0.9)
13 mm - 16 mm	1316MCLICK, BHD-12S, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	2 (0.6)
13 mm - 16 mm	1316MCLICK, BHD-12S, 3 Stack	3 (0.9)	3 (0.9)	2 (0.6)		3 (0.9)	2 (0.6)	2 (0.6)
Wind Speed:		125 mph (200 km/h)				150 mph (240 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
6 mm - 8 mm	68MCLICK, BHD-14, 1 Stack	1.5 (0.46)	1.5 (0.46)	1.5 (0.46)		1.5 (0.46)	1.5 (0.46)	1.5 (0.46)
6 mm - 8 mm	68MCLICK, BHD-14, 2 Stack	1.5 (0.46)	1.5 (0.46)	1.5 (0.46)		1.5 (0.46)	1 (0.3)	NR
6 mm - 8 mm	68MCLICK, BHD-14, 3 Stack	1.5 (0.46)	1.5 (0.46)	1.5 (0.46)		NR	NR	NR
9 mm - 12 mm	912MCLICK, BHD-38, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
9 mm - 12 mm	912MCLICK, BHD-38, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
9 mm - 12 mm	912MCLICK, BHD-38, 3 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	1.5 (0.46)	1.5 (0.46)
13 mm - 16 mm	1316MCLICK, BHD-12S, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
13 mm - 16 mm	1316MCLICK, BHD-12S, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
13 mm - 16 mm	1316MCLICK, BHD-12S, 3 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	1.5 (0.46)	1 (0.3)

Mini Click-On and Mini Block Hangers: Table 3

NR - Not Recommended

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

4. Click-On and Block Hangers

Nominal Cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)						
Wind Speed:		85 mph (137 km/h)				100 mph (160 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	L4CLICK, BHD-12, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
1/2 in	L4CLICK, BHD-12, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
1/2 in	L4CLICK, BHD-12, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
7/8 in	L5CLICKB, BHD-78, 1 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
7/8 in	L5CLICKB, BHD-78, 2 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
7/8 in	L5CLICKB, BHD-78, 3 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 1 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 2 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 1 Stack	4 (1.2)	4 (1.2)	4 (1.2)		3 (0.9)	3 (0.9)	3 (0.9)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		3 (0.9)	3 (0.9)	3 (0.9)
Wind Speed:		125 mph (200 km/h)				150 mph (240 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25		No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	L4CLICK, BHD-12, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
1/2 in	L4CLICK, BHD-12, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
1/2 in	L4CLICK, BHD-12, 3 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
7/8 in	L5CLICKB, BHD-78, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
7/8 in	L5CLICKB, BHD-78, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
7/8 in	L5CLICKB, BHD-78, 3 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	2 (0.6)	2 (0.6)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 2 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
1-1/4 in	L6CLICK, BHD-114, BHS-114, 3 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	2 (0.6)	2 (0.6)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 1 Stack	3 (0.9)	3 (0.9)	3 (0.9)		2 (0.6)	2 (0.6)	2 (0.6)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 2 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	2 (0.6)	2 (0.6)
1-5/8 in	L7CLICK, BHD-158, BHS-158, 3 Stack	2 (0.6)	2 (0.6)	2 (0.6)		2 (0.6)	2 (0.6)	2 (0.6)

Click-On and Block Hangers: Table 4

* These hanger spacings have been specified based on using the Click-On and Block Hangers with CommScope specified hardware kits.

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely round member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors

5. Standard Hanger for Elliptical Waveguide

Waveguide Type	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)						
Wind Speed:		85 mph (137 km/h)				100 mph (160 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
EW17, EWP17	31766A-9	6 (1.8)	6 (1.8)	6 (1.8)		6 (1.8)	6 (1.8)	6 (1.8)
EW20	31766A-10	6 (1.8)	6 (1.8)	6 (1.8)		6 (1.8)	6 (1.8)	6 (1.8)
EW28	31766A-11	6 (1.8)	6 (1.8)	6 (1.8)		6 (1.8)	6 (1.8)	5.5 (1.68)
EW34, EWP34	42396A-15	6 (1.8)	6 (1.8)	6 (1.8)		6 (1.8)	5.5 (1.68)	6 (1.8)
EW43, EWP43	42396A-16	6 (1.8)	6 (1.8)	5.5 (1.68)		5 (1.5)	5 (1.5)	4.5 (1.37)
EW52, EWP52	42396A-8	5.5 (1.68)	5 (1.5)	4.5 (1.37)		4.5 (1.37)	4.5 (1.37)	4 (1.2)
EW63, EWP63	42396A-7	5 (1.5)	4.5 (1.37)	4 (1.2)		4 (1.2)	4 (1.2)	3.5 (1.07)
EW64, EWP64	42396A-1	5 (1.5)	6 (1.8)	4 (1.2)		4.5 (1.37)	4 (1.2)	3.5 (1.07)
EW77, EWP77	42396A-11	5 (1.5)	6 (1.8)	4 (1.2)		4.5 (1.37)	4 (1.2)	3.5 (1.07)
EW85	42396A-5	5.5 (1.68)	6 (1.8)	4 (1.2)		4.5 (1.37)	4 (1.2)	3.5 (1.07)
EW90, EWP90	42396A-5	5.5 (1.68)	4.5 (1.37)	4 (1.2)		4.5 (1.37)	4 (1.2)	3 (0.9)
EW127A, EWP127A	42396A-9	5.5 (1.68)	4.5 (1.37)	3.5 (1.07)		4.5 (1.37)	4 (1.2)	3 (0.9)
EW132, EWP132	42396A-9	5.5 (1.68)	4.5 (1.37)	3.5 (1.07)		5 (1.2)	4 (1.2)	3 (0.9)
EW180, EWP180	43211A	6 (1.8)	4.5 (1.37)	3.5 (1.07)		5 (1.2)	4 (1.2)	3 (0.9)
EW220, EW240	43211A	6 (1.8)	4.5 (1.37)	3.5 (1.07)		5 (1.2)	4 (1.2)	3 (0.9)
Wind Speed:		125 mph (200 km/h)				150 mph (240 km/h)		
Radial Ice:		No Ice	1/2 in (13 mm)	1 in (25 mm)		No Ice	1/2 in (13 mm)	1 in (25 mm)
EW17, EWP17	31766A-9	6 (1.8)	6 (1.8)	5.5 (1.68)		5 (1.5)	5 (1.5)	4.5 (1.37)
EW20	31766A-10	5.5 (1.68)	5.5 (1.68)	5 (1.5)		4.5 (1.37)	4.5 (1.37)	4 (1.2)
EW28	31766A-11	5 (1.5)	5 (1.5)	4.5 (1.37)		4 (1.2)	4 (1.2)	3.5 (1.07)
EW34, EWP34	42396A-15	4.5 (1.37)	4.5 (1.37)	4 (1.2)		4 (1.2)	3.5 (1.07)	4 (1.2)
EW43, EWP43	42396A-16	4 (1.2)	4 (1.2)	3.5 (1.07)		3.5 (1.07)	3.5 (1.07)	3 (.09)
EW52, EWP52	42396A-8	3.5 (1.07)	3.5 (1.07)	3 (.09)		3 (.09)	3 (.09)	2.5 (0.76)
EW63, EWP63	42396A-7	3.5 (1.07)	3 (0.9)	2.5 (0.76)		2.5 (0.76)	2.5 (0.76)	2 (0.6)
EW64, EWP64	42396A-1	3.5 (1.07)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW77, EWP77	42396A-11	3.5 (1.07)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW85	42396A-5	3.5 (1.07)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW90, EWP90	42396A-5	3.5 (1.07)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW127A, EWP127A	42396A-9	3.5 (1.07)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW132, EWP132	42396A-9	4 (1.2)	3 (0.9)	2.5 (0.76)		3 (.09)	2.5 (0.76)	2 (0.6)
EW180, EWP180	43211A	4 (1.2)	3 (0.9)	2.5 (0.76)		3.5 (1.07)	2.5 (0.76)	2 (0.6)
EW220, EW240	43211A	4 (1.2)	3 (0.9)	2.5 (0.76)		3.5 (1.07)	2.5 (0.76)	2 (0.6)

Standard Hanger for Elliptical Waveguide: Table 5

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for elliptical waveguide is 1.6 (average of 1.2 for cylindrical and 2.0 for flat members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

6. SnapStak® Plus Adjustable Hangers

Nominal Cable Size	Actual cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)					
Wind Speed:			85 mph (137 km/h)			100 mph (160 km/h)		
Radial Ice:			No Ice	1/2 in (13 mm)	1 in (25 mm)	No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	14mm - 25mm	SSH-M	4 (1.2)	3 (0.9)	2 (0.6)	4 (1.2)	3 (0.9)	2 (0.6)
7/8 in	25.1mm - 36mm	SSH-L	4 (1.2)	3 (0.9)	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)
1-5/8 in	36.1mm - 51mm	SSH-XL	3 (0.9)	3 (0.9)	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)
Nominal Cable Size	Actual cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)					
Wind Speed:			125 mph (200 km/h)			150 mph (240 km/h)		
Radial Ice:			No Ice	1/2 in (13 mm)	1 in (25 mm)	No Ice	1/2 in (13 mm)	1 in (25 mm)
1/2 in	14mm - 25mm	SSH-M	3 (0.9)	3 (0.9)	2 (0.6)	3 (0.9)	2 (0.6)	1 (0.3)
7/8 in	25.1mm - 36mm	SSH-L	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	2 (0.6)	1 (0.3)
1-5/8 in	36.1mm - 51mm	SSH-XL	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	1 (0.3)	1 (0.3)

SnapStak Plus Adjustable Hangers: Table 6

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

7. SnapTak PIM-guard Adjustable Hangers

Nominal Cable Size	Actual cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)					
Wind Speed:			85 mph (137 km/h)			100 mph (160 km/h)		
Radial Ice:			No Ice	1/2 in (13 mm)	1 in (25 mm)	No Ice	1/2 in (13 mm)	1 in (25 mm)
N/A	4.0mm - 7.0mm	SSH-47	4 (1.2)	3 (0.9)	3 (0.9)	4 (1.2)	3 (0.9)	3 (0.9)
N/A	7.1mm - 10.0mm	SSH-710	4 (1.2)	3 (0.9)	3 (0.9)	4 (1.2)	3 (0.9)	3 (0.9)
N/A	10.1mm - 14.0mm	SSH-1014	4 (1.2)	3 (0.9)	3 (0.9)	4 (1.2)	3 (0.9)	3 (0.9)
1/2 in	14.1mm - 16.0mm	SSH-1416	4 (1.2)	3 (0.9)	3 (0.9)	4 (1.2)	3 (0.9)	3 (0.9)
Nominal Cable Size	Actual cable Size	Hanger Part Number	Recommended Maximum Hanger Spacing, feet (meters)					
Wind Speed:			125 mph (200 km/h)			150 mph (240 km/h)		
Radial Ice:			No Ice	1/2 in (13 mm)	1 in (25 mm)	No Ice	1/2 in (13 mm)	1 in (25 mm)
N/A	4.0mm - 7.0mm	SSH-47	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	1 (0.3)
N/A	7.1mm - 10.0mm	SSH-710	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	1 (0.3)
N/A	10.1mm - 14.0mm	SSH-1014	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	1 (0.3)
1/2 in	14.1mm - 16.0mm	SSH-1416	3 (0.9)	3 (0.9)	3 (0.9)	2 (0.6)	2 (0.6)	1 (0.3)

SnapTak PIM-guard Adjustable Hangers: Table 7

Definitions and Assumptions 1. Per EIA-222 Standard: Coefficient of drag for coaxial cable is 1.2 (cylindrical members). Ice forms completely around member (360 degrees). Combined wind and ice loading is reduced by 25% to reflect lower probability of wind and ice occurring simultaneously. 2. Wind speeds are maximum, which includes gust factors and exposure factors.

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United States and Mexico 1-800-255-1479 or 1-888-235-5732 International: +1-779-435-8579
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