

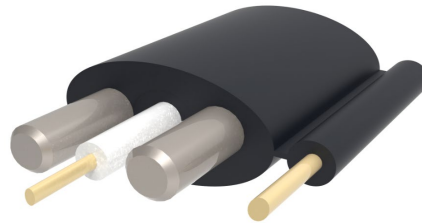
Sag & Tension Tables (NESC: Medium) Mini-Flat Drop Tenable

(800) 982-1708
(828) 324-2200
Fax: (828) 328-3400
Int'l Fax: (828) 323-4989
www.commscope.com

Loading Conditions:	NESC MEDIUM	SI	US
Ice Thickness mm (in):		6.35	(0.3)
Wind Pressure N/m ² (lb/ft ²):		191.5	(4.0)
Temperature °C (°F):		-9.44	(15.0)
Safety Factor N/m (ft*lb):		2.92	(2.15)

Environmental Conditions			
Max. Environmental Load N (lbf):		1223	(275)
Max. Environmental Cable Strain (%):		0.60	(0.60)
Maximum Vertical Sag m (ft):		2.23	(7.3)

Design Specifications:		SI	US
Maximum Span m (ft):		71	(233)
Cable Weight kg/km (lb/mf):		23	(15)
Cable Diameter mm (in):		7.5	(0.29)
Cable Height mm (in):		2.8	(0.11)
Install Temp °C (°F):		0	(32.0)



Maximum Allowable Install Load and Strain			
Max. Install. Load N (lbf):		160	(36)
Max. Install. Cable Strain (%):		0.08	(0.08)

Install Location	Max Span	Install Conditions at 20°C (68°F)				Loaded Conditions at -9°C (15°C)				
		Sag	Install Sag	Tension	Cable Strain	Vertical Sag % of Span	Vertical Sag	Horizontal Sag	Tension	Cable Strain
	m (ft)	m (ft)	(%)	N (lbf)	(%)	(%)	m (ft)	m (ft)	N (lbf)	(%)

	40 (131)	0.40 (1.3)	1.00	111 (25)	0.06	2.30%	0.92 (3.0)	1.32 (4.3)	943 (212)	0.46
	39 (128)	0.59 (1.9)	1.50	71 (16)	0.04	2.37%	0.92 (3.0)	1.33 (4.4)	894 (201)	0.43
	37 (121)	0.74 (2.4)	2.00	53 (12)	0.03	2.43%	0.90 (2.9)	1.30 (4.2)	827 (186)	0.40
	30 (98)	0.90 (3.0)	3.00	27 (6)	0.01	2.55%	0.77 (2.5)	1.10 (3.6)	636 (143)	0.31

	58 (190)	0.58 (1.9)	1.00	160 (36)	0.08	2.58%	1.50 (4.9)	2.16 (7.1)	1219 (274)	0.60
	61 (200)	0.92 (3.0)	1.50	111 (25)	0.06	2.71%	1.66 (5.4)	2.39 (7.8)	1219 (274)	0.60
	64 (210)	1.28 (4.2)	2.00	89 (20)	0.04	2.84%	1.82 (6.0)	2.62 (8.6)	1223 (275)	0.60
	71 (233)	2.13 (7.0)	3.00	67 (15)	0.03	3.15%	2.23 (7.3)	3.22 (10.6)	1223 (275)	0.60

	58 (190)	0.58 (1.9)	1.00	160 (36)	0.08	2.58%	1.50 (4.9)	2.16 (7.1)	1219 (274)	0.60
	61 (200)	0.92 (3.0)	1.50	111 (25)	0.06	2.71%	1.66 (5.4)	2.39 (7.8)	1219 (274)	0.60
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	71 (233)	2.13 (7.0)	3.00	67 (15)	0.03	3.15%	2.23 (7.3)	3.22 (10.6)	1223 (275)	0.60

Note: Assumptions made regarding Install Locations. Changes to these assumptions may change the Max Spans.

† Street crossing distances with 18.0 ft attachment height and a 3.0 ft maximum vertical sag.

‡ Pedestrian crossing distances with 18.0 ft attachment height and a 9.0 ft maximum vertical sag.

* Max span with no limits imposed on sag.

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Specifications Subject to Change
Revision Date: 6/5/2024

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