

Sag & Tension

Values for NESC Medium environmental conditions

Outdoor Dual Sheathed DROP CABLE

All-Dielectric Outdoor Drop Cable with indoor subunit,
1, 2 & 4 Optic Fiber modules

Loading Conditions:

NESC MEDIUM

- Ice Thickness mm: **6.35**
- Wind Pressure N/m²: **191.5**
- Temperature °C: **-9.44**
- Safety Factor N/m: **2.92**
- Installation Sag: **1.5%**



Span (m)	Resultant tension (N)	Sag (m)	Blow-off (m)	Resultant Sag (m)	Cable strain (%)	Fibre strain (%)	Safety factor (N/m)
40	698	0.60	0.65	0.88	0.26	0.23	11.62
50	833	0.78	0.85	1.15	0.32	0.29	9.43
60	1002	0.98	1.06	1.44	0.38	0.35	7.40
70	1140	1.18	1.28	1.74	0.45	0.42	5.43
80	1282	1.39	1.51	2.05	0.51	0.48	3.54

Note: Values are representative for an installation sag of 1% and required initial tension. Quoted values for sag, resultant tension, blow-off and subsequently cable and fibre strain are going to change if different installation sag / tension values are used.

Clamping solutions

recommended accessories for drop / aerial installation

- <https://www.malico-telecom.com/en/homepage/> -

	Part description	Code SM-CI	Reference
1	SPIRAL GRIP DEAD-ENDS FOR ADSS CABLES	P120944862	AS FO B 048-062
2	ANCHORING CLAMPS FOR ROUND O. F. CABLE	N/A	PA 35 200
3	ANCHORING CLAMP FOR ADSS DROP CABLE	P10088426	DROP'N'ROLL
4	SUSPENSION CLAMP FOR ADSS DROP	P10089848	PST 5 9
5	SUSPENSION CLAMP FOR TELECOM DROPWIRE	N/A	PSB FO D 4 6

Note: It is the installer's responsibility to follow the correct installation practices, as recommended by the accessory provider. Commscope can not accept any liability due to incorrect installation in the field.