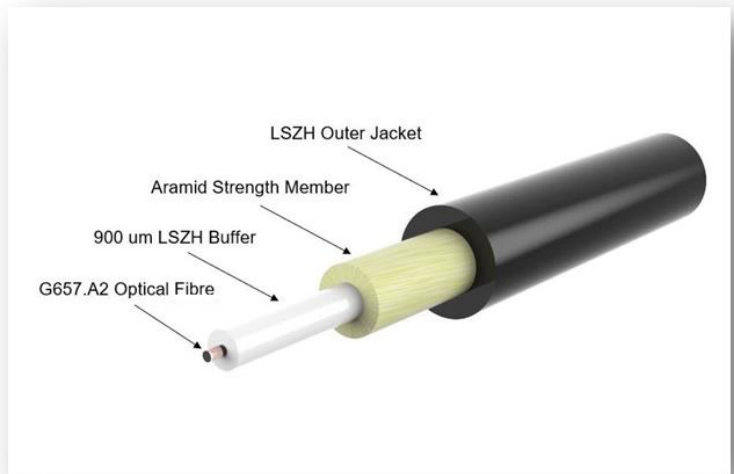


# Sag & Tension Tables

810010114/DB

## Indoor - Outdoor Mini-Drop CABLE

All-Dielectric Indoor - Outdoor Cable with G657.A2 Optic Fiber, Breaking load < 2000 N



### 55 m Span

Condition	Temp °C	Wind Speed (m/s)	Radial Ice (mm)	Tension (N)	Sag (m)	Blow-Off (m)	Resultant Sag (m)	Safety Factor	Cable Strain (%)	Fibre Strain (%)	Sag V (%)
Installation	20.0	0.0	0	150.0	0.16	0.00	0.16	12.23	0.18%	0.13%	0.29
High temp	60.0	0.0	0	137.0	0.18	0.00	0.18	13.40	0.16%	0.12%	0.32
Low temp	-20.0	0.0	0	50.1	0.48	0.00	0.48	36.60	0.06%	0.03%	0.87
Ice 5 mm rad	-20.0	0.0	5	512	0.96	0.00	0.96	3.73	0.59%	0.44%	1.67
Wind 97km/h	-20.0	27.0	0	572	0.04	0.98	0.98	3.21	0.67%	0.56%	0.09

### 68 m Span

Condition	Temp °C	Wind Speed (m/s)	Radial Ice (mm)	Tension (N)	Sag (m)	Blow-Off (m)	Resultant Sag (m)	Safety Factor	Cable Strain (%)	Fibre Strain (%)	Sag V (%)
Installation	20	0	0	150.0	0.25	0.00	0.25	12.23	0.18%	0.13%	0.36
High temp	60	0	0	138.3	0.27	0.00	0.27	13.27	0.17%	0.12%	0.39
Low temp	-20	0	0	58.8	0.63	0.00	0.63	31.19	0.07%	0.04%	0.92
Ice 5 mm rad	-20	0	5	576	1.20	0.00	1.20	3.24	0.61%	0.56%	1.76
Wind 97km/h	-20	27	0	627	0.06	1.28	1.28	2.81	0.69%	0.60%	0.09