

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers



Features and Benefits

Available with a proprietary trackresistant polyethylene (TRPE) jacket

Suitable for installations in electric field potentials up to 25 kV

Concentric, selfsupporting cable design

Allows easy, one-step installation, using standard hardware and installation methods

Innovative waterblocking technology

Eliminates the need for traditional flooding compound and provides efficient and craft-friendly cable preparation

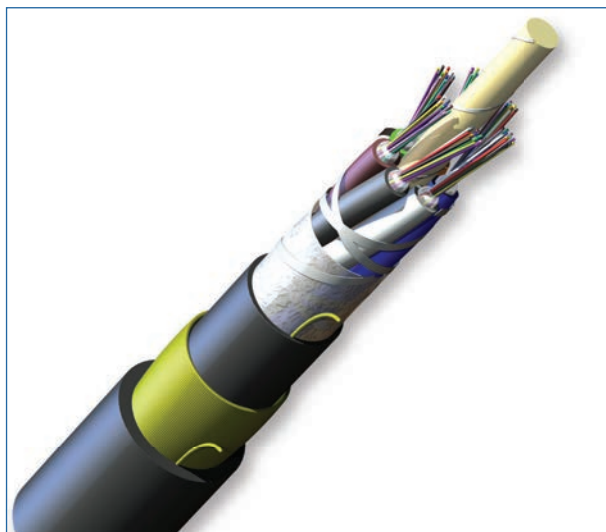
SZ-stranded, loose tube design

Isolates fibers from installation and environmental rigors and facilitates mid-span access

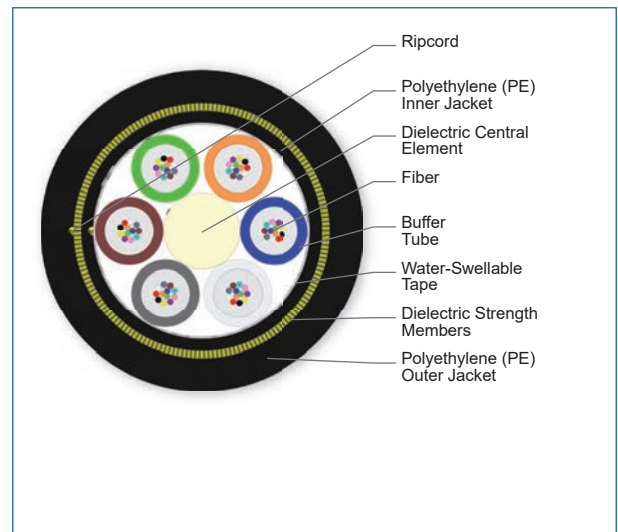
Corning SOLO® cables are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one-step installation in campus backbones with self-supporting installations where metallic messengers cannot be used. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber. This cable incorporates innovative waterblocking materials, eliminating the need for traditional flooding compound and providing efficient and craft-friendly cable preparation. While the concentric, self-supporting cable design allows easy, one-step installation, using standard hardware and installation methods, the SZ-stranded, loose tube design isolates optical fibers from installation and environmental rigors and facilitates mid-span access. The ADSS cables are also available with a proprietary track-resistant polyethylene (TRPE) jacket suitable for installation in electric field potentials up to 25 kV.

Standards

Approvals and Listings	USDA Rural Development Programs
Common Installations	Outdoor self-supporting aerial
Design and Test Criteria	ANSI/ICEA S-87-640



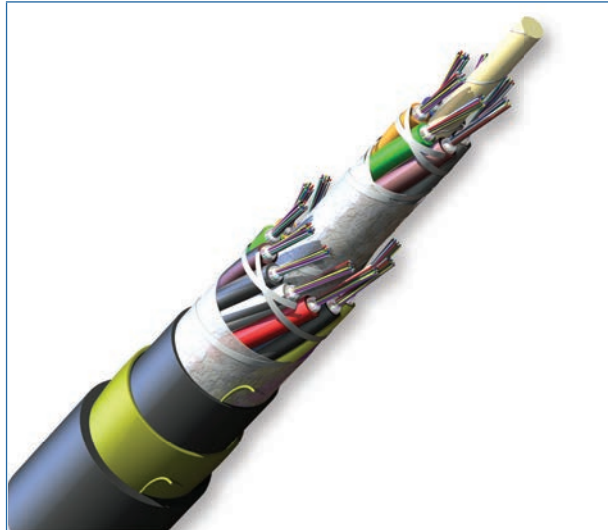
SOLO® ADSS Cable, 72-Fibers



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SOLO® ADSS Cable, 288-Fibers



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Specifications

Temperature Range	
Storage	-40 °C to 75 °C (-40 °F to 167 °F)
Installation	-30 °C to 70 °C (-22 °F to 158 °F)
Operation	-40 °C to 70 °C (-40 °F to 158 °F)

* Note: Corning recommends storing cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
Span Code 2						
12 - 72	6	1 - 6	138 kg/km (93 lb/1000 ft)	13.5 mm (0.53 in)	203 mm (8.0 in)	135 mm (5.3 in)
192 - 216	18	16 - 18	281 kg/km (189 lb/1000 ft)	19.7 mm (0.78 in)	296 mm (11.6 in)	197 mm (7.8 in)
288	24	24	421 kg/km (283 lb/1000 ft)	23.9 mm (0.94 in)	358 mm (14.1 in)	239 mm (9.4 in)
Span Code 4						
96	8	8	181 kg/km (122 lb/1000 ft)	15.5 mm (0.61 in)	233 mm (9.2 in)	155 mm (6.1 in)
144	12	12	320 kg/km (215 lb/1000 ft)	20.5 mm (0.81 in)	308 mm (12.1 in)	205 mm (8.1 in)
192 - 216	18	16 - 18	284 kg/km (191 lb/1000 ft)	19.9 mm (0.78 in)	299 mm (11.8 in)	199 mm (7.8 in)

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Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Installation	Min. Bend Radius Operation
Span Code 5						
12 - 72	6	1 - 6	148 kg/km (99 lb/1000 ft)	14.0 mm (0.55 in)	210 mm (8.3 in)	140 mm (5.5 in)
Span Code 6						
288	24	24	434 kg/km (292 lb/1000 ft)	24.3 mm (0.96 in)	365 mm (14.4 in)	243 mm (9.6 in)
Span Code 8						
192 - 216	18	16 - 18	332 kg/km (224 lb/1000 ft)	21.5 mm (0.85 in)	323 mm (12.7 in)	215 mm (8.5 in)
Span Code A						
12 - 72	6	1 - 6	193 kg/km (130 lb/1000 ft)	16.2 mm (0.64 in)	243 mm (9.6 in)	162 mm (6.4 in)
144	12	12	329 kg/km (221 lb/1000 ft)	20.8 mm (0.82 in)	312 mm (12.3 in)	208 mm (8.2 in)
192 - 216	18	16 - 18	341 kg/km (229 lb/1000 ft)	21.8 mm (0.86 in)	327 mm (12.9 in)	218 mm (8.6 in)
288	24	24	449 kg/km (302 lb/1000 ft)	24.8 mm (0.98 in)	372 mm (14.7 in)	248 mm (9.8 in)
Span Code B						
96	8	8	235 kg/km (158 lb/1000 ft)	17.8 mm (0.70 in)	267 mm (10.5 in)	178 mm (7.0 in)
192 - 216	18	16 - 18	349 kg/km (235 lb/1000 ft)	22.1 mm (0.87 in)	332 mm (13.1 in)	221 mm (8.7 in)
Span Code C						
12 - 72	6	1 - 6	207 kg/km (139 lb/1000 ft)	16.8 mm (0.66 in)	252 mm (9.9 in)	168 mm (6.6 in)
96	8	8	239 kg/km (160 lb/1000 ft)	18.0 mm (0.71 in)	270 mm (10.6 in)	180 mm (7.1 in)
144	12	12	337 kg/km (226 lb/1000 ft)	21.1 mm (0.83 in)	317 mm (12.5 in)	211 mm (8.3 in)
288	24	24	456 kg/km (306 lb/1000 ft)	25.0 mm (0.98 in)	375 mm (14.8 in)	250 mm (9.8 in)
Span Code E						
12-72	6	1-6	211 kg/km (142 lb/1000 ft)	17.1 mm (0.673 in)	257 mm (10.12 in)	171 mm (6.73 in)
288	24	24	462.80 kg/km (310 lb/1000 ft)	25.3 mm (0.996 in)	380 mm (14.96 in)	253 mm (9.96 in)

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Fiber Count	Number of Tube Positions	Number of Active Tubes	Weight	Nominal Outer Diameter	Min. Bend Radius Instal- lation	Min. Bend Radius Ope- ration
Span Code F						
96	8	8	248 kg/km (167 lb/1000 ft)	18.4 mm (0.72 in)	276 mm (10.9 in)	184 mm (7.2 in)
144	12	12	354 kg/km (238 lb/1000 ft)	21.8 mm (0.86 in)	327 mm (12.9 in)	218 mm (8.6 in)

Chemical Characteristics

RoHS

Free of hazardous substances according to RoHS 2011/65/EU

Installation Conditions

Spans in italics can also use Medium Span cables

12-72 Fibers

Code 2 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	58 lbf (257 N)	0.5	136 lbf (607 N)	1.6	187 lbf (831 N)	2.2	281 lbf (1251 N)
100 ft (30 m)	116 lbf (514 N)	0.5	248 lbf (1104 N)	1.8	330 lbf (1470 N)	2.5	483 lbf (2150 N)
150 ft (46 m)	173 lbf (771 N)	0.6	349 lbf (1552 N)	2.0	458 lbf (2035 N)	2.8	659 lbf (2931 N)
200 ft (61 m)	231 lbf (1028 N)	0.6	443 lbf (1972 N)	2.1	575 lbf (2557 N)	3.0	819 lbf (3644 N)
250 ft (76 m)	289 lbf (1285 N)	0.6	533 lbf (2372 N)	2.2	685 lbf (3049 N)	3.2	969 lbf (4311 N)
300 ft (91 m)	347 lbf (1543 N)	0.6	620 lbf (2756 N)	2.3	791 lbf (3519 N)	3.3	1112 lbf (4945 N)
350 ft (107 m)	405 lbf (1800 N)	0.6	703 lbf (3129 N)	2.4	893 lbf (3972 N)	3.4	1248 lbf (5552 N)
400 ft (122 m)	462 lbf (2057 N)	0.7	785 lbf (3492 N)	2.5	992 lbf (4411 N)	3.6	1380 lbf (6137 N)
450 ft (137 m)	520 lbf (2314 N)	0.7	865 lbf (3848 N)	2.5	1088 lbf (4838 N)	3.7	1507 lbf (6705 N)
500 ft (152 m)	578 lbf (2571 N)	0.7	943 lbf (4196 N)	2.6	1181 lbf (5256 N)	3.8	1631 lbf (7257 N)
550 ft (168 m)	636 lbf (2828 N)	0.7	1020 lbf (4539 N)	2.6	1273 lbf (5664 N)	3.9	1753 lbf (7796 N)
600 ft (183 m)	694 lbf (3085 N)	0.7	1096 lbf (4877 N)	2.7	1364 lbf (6065 N)	4.0	1871 lbf (8324 N)
650 ft (198 m)	751 lbf (3342 N)	0.7	1171 lbf (5210 N)	2.7	1452 lbf (6460 N)	4.0	1988 lbf (8841 N)
700 ft (213 m)	809 lbf (3599 N)	0.7	1245 lbf (5540 N)	2.8	1540 lbf (6849 N)	4.1	2102 lbf (9350 N)
750 ft (229 m)	867 lbf (3856 N)	0.7	1319 lbf (5866 N)	2.8	1626 lbf (7232 N)	4.2	2214 lbf (9850 N)
800 ft (244 m)	925 lbf (4113 N)	0.8	1391 lbf (6188 N)	2.9	1711 lbf (7611 N)	4.3	2325 lbf (10342 N)
850 ft (259 m)	983 lbf (4370 N)	0.8	1463 lbf (6508 N)	2.9	1795 lbf (7985 N)		
900 ft (274 m)	1040 lbf (4628 N)	0.8	1534 lbf (6825 N)	2.9	1878 lbf (8355 N)		
950 ft (290 m)	1098 lbf (4885 N)	0.8	1605 lbf (7140 N)	3.0	1961 lbf (8721 N)		
1000 ft (305 m)	1156 lbf (5142 N)	0.8	1675 lbf (7453 N)	3.0	2042 lbf (9084 N)		
1050 ft (320 m)	1214 lbf (5399 N)	0.8	1745 lbf (7763 N)	3.0	2123 lbf (9443 N)		
1100 ft (335 m)	1271 lbf (5656 N)	0.8	1815 lbf (8072 N)	3.1	2203 lbf (9800 N)		
1150 ft (351 m)	1329 lbf (5913 N)	0.8	1884 lbf (8378 N)	3.1	2283 lbf (10154 N)		
1200 ft (366 m)	1387 lbf (6170 N)	0.8	1952 lbf (8684 N)	3.1	2362 lbf (10505 N)		
1250 ft (381 m)	1445 lbf (6427 N)	0.8	2020 lbf (8987 N)				
1300 ft (396 m)	1503 lbf (6684 N)	0.8	2088 lbf (9289 N)				
1350 ft (411 m)	1560 lbf (6941 N)	0.8	2156 lbf (9590 N)				
1400 ft (427 m)	1618 lbf (7198 N)	0.8	2223 lbf (9890 N)				
1450 ft (442 m)	1676 lbf (7455 N)	0.8	2290 lbf (10188 N)				

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Installation Conditions

Spans in italics can also use Medium Span cables

145-216 Fibers

Code 2 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	118 lbf (523 N)	0.7	193 lbf (858 N)	1.8	240 lbf (1066 N)	2.2	353 lbf (1570 N)
100 ft (30 m)	235 lbf (1046 N)	0.7	364 lbf (1618 N)	1.9	442 lbf (1965 N)	2.4	628 lbf (2795 N)
150 ft (46 m)	353 lbf (1569 N)	0.7	523 lbf (2327 N)	2.0	627 lbf (2787 N)	2.6	873 lbf (3882 N)
200 ft (61 m)	470 lbf (2093 N)	0.8	676 lbf (3005 N)	2.1	801 lbf (3562 N)	2.8	1099 lbf (4889 N)
250 ft (76 m)	588 lbf (2616 N)	0.8	823 lbf (3661 N)	2.2	967 lbf (4303 N)	2.9	1313 lbf (5840 N)
300 ft (91 m)	706 lbf (3139 N)	0.8	967 lbf (4301 N)	2.2	1129 lbf (5020 N)	3.1	1518 lbf (6751 N)
350 ft (107 m)	823 lbf (3662 N)	0.8	1108 lbf (4927 N)	2.3	1285 lbf (5718 N)	3.2	1715 lbf (7629 N)
400 ft (122 m)	941 lbf (4185 N)	0.8	1246 lbf (5543 N)	2.3	1439 lbf (6401 N)	3.2	1907 lbf (8482 N)
450 ft (137 m)	1058 lbf (4708 N)	0.8	1383 lbf (6150 N)	2.4	1589 lbf (7070 N)	3.3	2094 lbf (9313 N)
500 ft (152 m)	1176 lbf (5231 N)	0.8	1518 lbf (6751 N)	2.4	1738 lbf (7729 N)	3.4	2276 lbf (10125 N)
550 ft (168 m)	1294 lbf (5755 N)	0.9	1651 lbf (7345 N)	2.5	1884 lbf (8378 N)	3.5	2455 lbf (10922 N)
600 ft (183 m)	1411 lbf (6278 N)	0.9	1784 lbf (7934 N)	2.5	2028 lbf (9020 N)	3.5	2631 lbf (11705 N)
650 ft (198 m)	1529 lbf (6801 N)	0.9	1915 lbf (8519 N)	2.5	2170 lbf (9654 N)	3.6	2805 lbf (12475 N)
700 ft (213 m)	1646 lbf (7324 N)	0.9	2046 lbf (9099 N)	2.6	2312 lbf (10282 N)	3.7	2975 lbf (13235 N)
750 ft (229 m)	1764 lbf (7847 N)	0.9	2175 lbf (9676 N)	2.6	2451 lbf (10905 N)	3.7	3144 lbf (13985 N)
800 ft (244 m)	1882 lbf (8370 N)	0.9	2304 lbf (10250 N)	2.6	2590 lbf (11522 N)	3.8	3310 lbf (14726 N)
850 ft (259 m)	1999 lbf (8893 N)	0.9	2433 lbf (10821 N)	2.6	2728 lbf (12135 N)	3.8	3475 lbf (15458 N)
900 ft (274 m)	2117 lbf (9416 N)	0.9	2560 lbf (11389 N)	2.7	2865 lbf (12744 N)		
950 ft (290 m)	2235 lbf (9940 N)	0.9	2688 lbf (11955 N)	2.7	3001 lbf (13349 N)		
1000 ft (305 m)	2352 lbf (10463 N)	0.9	2814 lbf (12519 N)	2.7	3136 lbf (13950 N)		
1050 ft (320 m)	2470 lbf (10986 N)	0.9	2941 lbf (13081 N)	2.7	3271 lbf (14549 N)		
1100 ft (335 m)	2587 lbf (11509 N)	0.9	3067 lbf (13641 N)	2.7	3405 lbf (15144 N)		
1150 ft (351 m)	2705 lbf (12032 N)	0.9	3192 lbf (14200 N)	2.8	3538 lbf (15737 N)		
1200 ft (366 m)	2823 lbf (12555 N)	0.9	3317 lbf (14757 N)				
1250 ft (381 m)	2940 lbf (13078 N)	0.9	3442 lbf (15312 N)				
1300 ft (396 m)	3058 lbf (13602 N)	0.9	3567 lbf (15867 N)				

217-288 Fibers

Code 2 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	177 lbf (785 N)	0.7	255 lbf (1135 N)	1.7	305 lbf (1355 N)	2.1	433 lbf (1925 N)
100 ft (30 m)	353 lbf (1571 N)	0.8	483 lbf (2149 N)	1.8	564 lbf (2507 N)	2.3	771 lbf (3431 N)
150 ft (46 m)	530 lbf (2356 N)	0.8	698 lbf (3106 N)	1.9	803 lbf (3572 N)	2.5	1074 lbf (4779 N)
200 ft (61 m)	706 lbf (3141 N)	0.8	905 lbf (4028 N)	2.0	1031 lbf (4585 N)	2.6	1357 lbf (6036 N)
250 ft (76 m)	883 lbf (3927 N)	0.9	1107 lbf (4926 N)	2.1	1250 lbf (5562 N)	2.8	1626 lbf (7232 N)
300 ft (91 m)	1059 lbf (4712 N)	0.9	1306 lbf (5808 N)	2.1	1464 lbf (6514 N)	2.9	1884 lbf (8382 N)
350 ft (107 m)	1236 lbf (5497 N)	0.9	1501 lbf (6677 N)	2.2	1674 lbf (7446 N)	2.9	2135 lbf (9497 N)
400 ft (122 m)	1412 lbf (6282 N)	0.9	1694 lbf (7536 N)	2.2	1880 lbf (8362 N)	3.0	2380 lbf (10585 N)
450 ft (137 m)	1589 lbf (7068 N)	0.9	1885 lbf (8386 N)	2.2	2083 lbf (9266 N)	3.1	2619 lbf (11649 N)
500 ft (152 m)	1765 lbf (7853 N)	0.9	2075 lbf (9231 N)	2.3	2284 lbf (10159 N)	3.2	2854 lbf (12693 N)
550 ft (168 m)	1942 lbf (8638 N)	0.9	2264 lbf (10069 N)	2.3	2483 lbf (11044 N)	3.2	3085 lbf (13721 N)
600 ft (183 m)	2119 lbf (9424 N)	0.9	2451 lbf (10903 N)	2.3	2680 lbf (11920 N)	3.3	3312 lbf (14734 N)
650 ft (198 m)	2295 lbf (10209 N)	0.9	2638 lbf (11733 N)	2.3	2875 lbf (12790 N)	3.3	3537 lbf (15735 N)
700 ft (213 m)	2472 lbf (10994 N)	0.9	2824 lbf (12560 N)	2.4	3070 lbf (13655 N)	3.4	3760 lbf (16724 N)
750 ft (229 m)	2648 lbf (11780 N)	0.9	3009 lbf (13383 N)	2.4	3263 lbf (14514 N)	3.4	3980 lbf (17703 N)
800 ft (244 m)	2825 lbf (12565 N)	0.9	3193 lbf (14204 N)	2.4	3455 lbf (15369 N)	3.4	4198 lbf (18673 N)
850 ft (259 m)	3001 lbf (13350 N)	1.0	3377 lbf (15023 N)	2.4	3646 lbf (16220 N)	3.5	4414 lbf (19634 N)
900 ft (274 m)	3178 lbf (14136 N)	1.0	3561 lbf (15839 N)	2.4	3837 lbf (17067 N)		
950 ft (290 m)	3354 lbf (14921 N)	1.0	3744 lbf (16654 N)	2.5	4026 lbf (17911 N)		
1000 ft (305 m)	3531 lbf (15706 N)	1.0	3927 lbf (17467 N)	2.5	4216 lbf (18752 N)		
1050 ft (320 m)	3707 lbf (16491 N)	1.0	4109 lbf (18279 N)	2.5	4404 lbf (19590 N)		
1100 ft (335 m)	3884 lbf (17277 N)	1.0	4291 lbf (19089 N)				

CORNING

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers



Installation Conditions

Spans in italics can also use Medium Span cables

73-96 Fibers							
Code 4 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	76 lbf (338 N)	0.6	152 lbf (678 N)	1.7	204 lbf (906 N)	2.1	311 lbf (1383 N)
100 ft (30 m)	152 lbf (676 N)	0.6	286 lbf (1273 N)	1.8	373 lbf (1659 N)	2.4	551 lbf (2450 N)
150 ft (46 m)	228 lbf (1013 N)	0.6	410 lbf (1822 N)	1.9	526 lbf (2338 N)	2.6	762 lbf (3389 N)
200 ft (61 m)	304 lbf (1351 N)	0.6	526 lbf (2341 N)	2.0	668 lbf (2972 N)	2.8	956 lbf (4251 N)
250 ft (76 m)	380 lbf (1689 N)	0.7	638 lbf (2840 N)	2.1	803 lbf (3573 N)	2.9	1138 lbf (5061 N)
300 ft (91 m)	456 lbf (2027 N)	0.7	747 lbf (3322 N)	2.2	933 lbf (4149 N)	3.0	1311 lbf (5832 N)
350 ft (107 m)	532 lbf (2365 N)	0.7	852 lbf (3791 N)	2.3	1058 lbf (4706 N)	3.1	1477 lbf (6572 N)
400 ft (122 m)	608 lbf (2702 N)	0.7	955 lbf (4249 N)	2.3	1180 lbf (5247 N)	3.2	1638 lbf (7286 N)
450 ft (137 m)	683 lbf (3040 N)	0.7	1056 lbf (4698 N)	2.4	1298 lbf (5775 N)	3.3	1794 lbf (7979 N)
500 ft (152 m)	759 lbf (3378 N)	0.7	1156 lbf (5140 N)	2.4	1414 lbf (6291 N)	3.4	1946 lbf (8655 N)
550 ft (168 m)	835 lbf (3716 N)	0.7	1253 lbf (5575 N)	2.5	1528 lbf (6798 N)	3.5	2094 lbf (9314 N)
600 ft (183 m)	911 lbf (4053 N)	0.8	1350 lbf (6004 N)	2.5	1640 lbf (7296 N)	3.6	2239 lbf (9960 N)
650 ft (198 m)	987 lbf (4391 N)	0.8	1445 lbf (6429 N)	2.5	1750 lbf (7787 N)	3.6	2382 lbf (10594 N)
700 ft (213 m)	1063 lbf (4729 N)	0.8	1540 lbf (6848 N)	2.6	1859 lbf (8270 N)	3.7	2522 lbf (11217 N)
750 ft (229 m)	1139 lbf (5067 N)	0.8	1633 lbf (7264 N)	2.6	1966 lbf (8747 N)	3.8	2659 lbf (11830 N)
800 ft (244 m)	1215 lbf (5405 N)	0.8	1726 lbf (7676 N)	2.6	2073 lbf (9219 N)	3.8	2795 lbf (12434 N)
850 ft (259 m)	1291 lbf (5742 N)	0.8	1817 lbf (8084 N)	2.7	2177 lbf (9686 N)	3.9	2929 lbf (13030 N)
900 ft (274 m)	1367 lbf (6080 N)	0.8	1909 lbf (8490 N)	2.7	2281 lbf (10148 N)	3.9	3061 lbf (13618 N)
950 ft (290 m)	1443 lbf (6418 N)	0.8	1999 lbf (8893 N)	2.7	2384 lbf (10605 N)	4.0	3192 lbf (14199 N)
1000 ft (305 m)	1519 lbf (6756 N)	0.8	2089 lbf (9293 N)	2.8	2486 lbf (11059 N)	4.0	3321 lbf (14774 N)
1050 ft (320 m)	1595 lbf (7094 N)	0.8	2179 lbf (9690 N)	2.8	2587 lbf (11509 N)	4.1	3449 lbf (15343 N)
1100 ft (335 m)	1671 lbf (7431 N)	0.8	2267 lbf (10086 N)	2.8	2688 lbf (11955 N)	4.1	3576 lbf (15906 N)
1150 ft (351 m)	1747 lbf (7769 N)	0.8	2356 lbf (10479 N)	2.8	2787 lbf (12399 N)		
1200 ft (366 m)	1823 lbf (8107 N)	0.8	2444 lbf (10871 N)	2.9	2886 lbf (12839 N)		
1250 ft (381 m)	1898 lbf (8445 N)	0.8	2532 lbf (11261 N)	2.9	2985 lbf (13276 N)		
1300 ft (396 m)	1974 lbf (8782 N)	0.8	2619 lbf (11649 N)	2.9	3082 lbf (13711 N)		
1350 ft (411 m)	2050 lbf (9120 N)	0.8	2706 lbf (12035 N)	2.9	3180 lbf (14143 N)		
1400 ft (427 m)	2126 lbf (9458 N)	0.8	2792 lbf (12420 N)	2.9	3276 lbf (14573 N)		
1450 ft (442 m)	2202 lbf (9796 N)	0.9	2878 lbf (12804 N)	3.0	3372 lbf (15001 N)		
1500 ft (457 m)	2278 lbf (10134 N)	0.9	2964 lbf (13186 N)	3.0	3468 lbf (15426 N)		
1550 ft (472 m)	2354 lbf (10471 N)	0.9	3050 lbf (13567 N)	3.0	3563 lbf (15850 N)		
1600 ft (488 m)	2430 lbf (10809 N)	0.9	3135 lbf (13947 N)				
1650 ft (503 m)	2506 lbf (11147 N)	0.9	3221 lbf (14326 N)				
1700 ft (518 m)	2582 lbf (11485 N)	0.9	3305 lbf (14703 N)				
1750 ft (533 m)	2658 lbf (11823 N)	0.9	3390 lbf (15080 N)				
1800 ft (549 m)	2734 lbf (12160 N)	0.9	3475 lbf (15456 N)				
1850 ft (564 m)	2810 lbf (12498 N)	0.9	3559 lbf (15830 N)				

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Medium Span cables

97-144 Fibers

Code 4 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	134 lbf (597 N)	0.7	217 lbf (966 N)	1.7	269 lbf (1194 N)	2.0	392 lbf (1743 N)
100 ft (30 m)	268 lbf (1194 N)	0.7	409 lbf (1818 N)	1.8	494 lbf (2196 N)	2.3	695 lbf (3092 N)
150 ft (46 m)	403 lbf (1791 N)	0.7	587 lbf (2613 N)	1.9	700 lbf (3112 N)	2.5	965 lbf (4290 N)
200 ft (61 m)	537 lbf (2388 N)	0.8	758 lbf (3374 N)	2.0	894 lbf (3975 N)	2.6	1214 lbf (5400 N)
250 ft (76 m)	671 lbf (2985 N)	0.8	924 lbf (4110 N)	2.1	1079 lbf (4801 N)	2.8	1450 lbf (6449 N)
300 ft (91 m)	805 lbf (3582 N)	0.8	1085 lbf (4828 N)	2.1	1259 lbf (5601 N)	2.9	1676 lbf (7454 N)
350 ft (107 m)	939 lbf (4179 N)	0.8	1244 lbf (5532 N)	2.2	1434 lbf (6381 N)	3.0	1894 lbf (8424 N)
400 ft (122 m)	1074 lbf (4776 N)	0.8	1399 lbf (6225 N)	2.2	1606 lbf (7143 N)	3.1	2105 lbf (9365 N)
450 ft (137 m)	1208 lbf (5373 N)	0.8	1553 lbf (6909 N)	2.3	1774 lbf (7892 N)	3.1	2312 lbf (10283 N)
500 ft (152 m)	1342 lbf (5970 N)	0.9	1705 lbf (7585 N)	2.3	1940 lbf (8629 N)	3.2	2514 lbf (11182 N)
550 ft (168 m)	1476 lbf (6567 N)	0.9	1856 lbf (8255 N)	2.3	2103 lbf (9356 N)	3.3	2712 lbf (12063 N)
600 ft (183 m)	1611 lbf (7164 N)	0.9	2005 lbf (8919 N)	2.4	2265 lbf (10074 N)	3.3	2907 lbf (12929 N)
650 ft (198 m)	1745 lbf (7761 N)	0.9	2153 lbf (9578 N)	2.4	2425 lbf (10785 N)	3.4	3098 lbf (13782 N)
700 ft (213 m)	1879 lbf (8358 N)	0.9	2301 lbf (10233 N)	2.4	2583 lbf (11489 N)	3.4	3287 lbf (14623 N)
750 ft (229 m)	2013 lbf (8955 N)	0.9	2447 lbf (10885 N)	2.4	2740 lbf (12187 N)	3.5	3474 lbf (15454 N)
800 ft (244 m)	2147 lbf (9552 N)	0.9	2593 lbf (11533 N)	2.5	2896 lbf (12880 N)	3.5	3659 lbf (16275 N)
850 ft (259 m)	2282 lbf (10149 N)	0.9	2738 lbf (12178 N)	2.5	3050 lbf (13568 N)	3.6	3841 lbf (17088 N)
900 ft (274 m)	2416 lbf (10746 N)	0.9	2882 lbf (12820 N)	2.5	3204 lbf (14252 N)	3.6	4022 lbf (17892 N)
950 ft (290 m)	2550 lbf (11343 N)	0.9	3026 lbf (13460 N)	2.5	3357 lbf (14932 N)	3.6	4201 lbf (18689 N)
1000 ft (305 m)	2684 lbf (11940 N)	0.9	3169 lbf (14097 N)	2.5	3509 lbf (15608 N)	3.7	4379 lbf (19479 N)
1050 ft (320 m)	2818 lbf (12537 N)	0.9	3312 lbf (14733 N)	2.6	3660 lbf (16281 N)		
1100 ft (335 m)	2953 lbf (13134 N)	0.9	3455 lbf (15367 N)	2.6	3811 lbf (16950 N)		
1150 ft (351 m)	3087 lbf (13731 N)	0.9	3597 lbf (15999 N)	2.6	3960 lbf (17617 N)		
1200 ft (366 m)	3221 lbf (14328 N)	0.9	3739 lbf (16630 N)	2.6	4110 lbf (18281 N)		
1250 ft (381 m)	3355 lbf (14925 N)	0.9	3880 lbf (17259 N)	2.6	4259 lbf (18943 N)		
1300 ft (396 m)	3490 lbf (15522 N)	0.9	4021 lbf (17887 N)	2.6	4407 lbf (19602 N)		
1350 ft (411 m)	3624 lbf (16119 N)	0.9	4162 lbf (18514 N)				
1400 ft (427 m)	3758 lbf (16716 N)	0.9	4303 lbf (19139 N)				
1450 ft (442 m)	3892 lbf (17313 N)	1.0	4443 lbf (19764 N)				

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 2 cables

145-216 Fibers

Code 4 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	119 lbf (529 N)	0.7	193 lbf (858 N)	1.8	241 lbf (1073 N)	2.1	362 lbf (1610 N)
100 ft (30 m)	238 lbf (1059 N)	0.7	368 lbf (1639 N)	1.9	452 lbf (2009 N)	2.4	655 lbf (2912 N)
150 ft (46 m)	357 lbf (1588 N)	0.7	534 lbf (2375 N)	2.0	646 lbf (2873 N)	2.5	916 lbf (4076 N)
200 ft (61 m)	476 lbf (2117 N)	0.7	692 lbf (3080 N)	2.0	829 lbf (3689 N)	2.7	1159 lbf (5156 N)
250 ft (76 m)	595 lbf (2647 N)	0.8	846 lbf (3764 N)	2.1	1005 lbf (4471 N)	2.8	1389 lbf (6177 N)
300 ft (91 m)	714 lbf (3176 N)	0.8	996 lbf (4430 N)	2.2	1175 lbf (5227 N)	2.9	1608 lbf (7154 N)
350 ft (107 m)	833 lbf (3705 N)	0.8	1143 lbf (5082 N)	2.2	1340 lbf (5962 N)	3.0	1820 lbf (8095 N)
400 ft (122 m)	952 lbf (4235 N)	0.8	1287 lbf (5724 N)	2.3	1502 lbf (6681 N)	3.1	2025 lbf (9008 N)
450 ft (137 m)	1071 lbf (4764 N)	0.8	1429 lbf (6356 N)	2.3	1660 lbf (7386 N)	3.1	2225 lbf (9898 N)
500 ft (152 m)	1190 lbf (5293 N)	0.8	1569 lbf (6980 N)	2.3	1816 lbf (8078 N)	3.2	2420 lbf (10766 N)
550 ft (168 m)	1309 lbf (5823 N)	0.8	1708 lbf (7597 N)	2.4	1969 lbf (8761 N)	3.3	2612 lbf (11617 N)
600 ft (183 m)	1428 lbf (6352 N)	0.8	1845 lbf (8209 N)	2.4	2121 lbf (9434 N)	3.3	2800 lbf (12453 N)
650 ft (198 m)	1547 lbf (6881 N)	0.8	1982 lbf (8815 N)	2.4	2270 lbf (10099 N)	3.4	2984 lbf (13275 N)
700 ft (213 m)	1666 lbf (7411 N)	0.9	2117 lbf (9416 N)	2.5	2418 lbf (10757 N)	3.4	3166 lbf (14084 N)
750 ft (229 m)	1785 lbf (7940 N)	0.9	2251 lbf (10013 N)	2.5	2565 lbf (11409 N)	3.5	3346 lbf (14882 N)
800 ft (244 m)	1904 lbf (8469 N)	0.9	2385 lbf (10607 N)	2.5	2710 lbf (12055 N)	3.5	3523 lbf (15671 N)
850 ft (259 m)	2023 lbf (8999 N)	0.9	2517 lbf (11197 N)	2.5	2854 lbf (12696 N)	3.6	3698 lbf (16450 N)
900 ft (274 m)	2142 lbf (9528 N)	0.9	2649 lbf (11785 N)	2.6	2997 lbf (13332 N)	3.6	3871 lbf (17220 N)
950 ft (290 m)	2261 lbf (10057 N)	0.9	2781 lbf (12369 N)	2.6	3139 lbf (13963 N)	3.7	4043 lbf (17983 N)
1000 ft (305 m)	2380 lbf (10587 N)	0.9	2912 lbf (12951 N)	2.6	3280 lbf (14590 N)	3.7	4213 lbf (18739 N)
1050 ft (320 m)	2499 lbf (11116 N)	0.9	3042 lbf (13531 N)	2.6	3420 lbf (15214 N)	3.7	4381 lbf (19488 N)
1100 ft (335 m)	2618 lbf (11645 N)	0.9	3172 lbf (14108 N)	2.6	3560 lbf (15834 N)	3.8	4548 lbf (20230 N)
1150 ft (351 m)	2737 lbf (12175 N)	0.9	3301 lbf (14684 N)	2.7	3698 lbf (16451 N)	3.8	4714 lbf (20967 N)
1200 ft (366 m)	2856 lbf (12704 N)	0.9	3430 lbf (15257 N)	2.7	3836 lbf (17065 N)		
1250 ft (381 m)	2975 lbf (13233 N)	0.9	3559 lbf (15829 N)	2.7	3974 lbf (17676 N)		
1300 ft (396 m)	3094 lbf (13763 N)	0.9	3687 lbf (16399 N)	2.7	4111 lbf (18285 N)		
1350 ft (411 m)	3213 lbf (14292 N)	0.9	3815 lbf (16968 N)	2.7	4247 lbf (18891 N)		
1400 ft (427 m)	3332 lbf (14821 N)	0.9	3942 lbf (17536 N)	2.7	4383 lbf (19495 N)		
1450 ft (442 m)	3451 lbf (15351 N)	0.9	4069 lbf (18102 N)	2.7	4518 lbf (20097 N)		
1500 ft (457 m)	3570 lbf (15880 N)	0.9	4196 lbf (18667 N)	2.8	4653 lbf (20696 N)		
1550 ft (472 m)	3689 lbf (16409 N)	0.9	4323 lbf (19231 N)	2.8	4787 lbf (21294 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 2 cables

12-72 Fibers

Code 5 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	62 lbf (275 N)	0.5	138 lbf (615 N)	1.6	191 lbf (851 N)	2.1	296 lbf (1317 N)
100 ft (30 m)	124 lbf (550 N)	0.5	259 lbf (1153 N)	1.8	350 lbf (1555 N)	2.4	524 lbf (2331 N)
150 ft (46 m)	185 lbf (825 N)	0.6	370 lbf (1648 N)	1.9	492 lbf (2187 N)	2.6	724 lbf (3220 N)
200 ft (61 m)	247 lbf (1100 N)	0.6	475 lbf (2114 N)	2.0	624 lbf (2774 N)	2.7	907 lbf (4034 N)
250 ft (76 m)	309 lbf (1375 N)	0.6	576 lbf (2560 N)	2.1	748 lbf (3329 N)	2.9	1078 lbf (4797 N)
300 ft (91 m)	371 lbf (1650 N)	0.6	672 lbf (2990 N)	2.2	868 lbf (3860 N)	3.0	1241 lbf (5521 N)
350 ft (107 m)	433 lbf (1925 N)	0.6	766 lbf (3407 N)	2.2	983 lbf (4372 N)	3.1	1397 lbf (6215 N)
400 ft (122 m)	495 lbf (2200 N)	0.6	857 lbf (3813 N)	2.3	1094 lbf (4868 N)	3.2	1547 lbf (6884 N)
450 ft (137 m)	556 lbf (2475 N)	0.7	947 lbf (4211 N)	2.3	1203 lbf (5350 N)	3.3	1693 lbf (7532 N)
500 ft (152 m)	618 lbf (2750 N)	0.7	1034 lbf (4601 N)	2.4	1309 lbf (5821 N)	3.4	1835 lbf (8162 N)
550 ft (168 m)	680 lbf (3025 N)	0.7	1121 lbf (4984 N)	2.4	1412 lbf (6283 N)	3.5	1973 lbf (8777 N)
600 ft (183 m)	742 lbf (3300 N)	0.7	1205 lbf (5362 N)	2.5	1514 lbf (6735 N)	3.6	2108 lbf (9379 N)
650 ft (198 m)	804 lbf (3575 N)	0.7	1289 lbf (5734 N)	2.5	1614 lbf (7180 N)	3.6	2241 lbf (9968 N)
700 ft (213 m)	865 lbf (3850 N)	0.7	1372 lbf (6102 N)	2.6	1713 lbf (7618 N)	3.7	2371 lbf (10547 N)
750 ft (229 m)	927 lbf (4125 N)	0.7	1454 lbf (6466 N)	2.6	1810 lbf (8050 N)	3.8	2499 lbf (11116 N)
800 ft (244 m)	989 lbf (4400 N)	0.7	1534 lbf (6825 N)	2.6	1905 lbf (8475 N)	3.8	2625 lbf (11675 N)
850 ft (259 m)	1051 lbf (4674 N)	0.7	1615 lbf (7182 N)	2.7	2000 lbf (8896 N)	3.9	2749 lbf (12227 N)
900 ft (274 m)	1113 lbf (4949 N)	0.7	1694 lbf (7535 N)	2.7	2093 lbf (9312 N)	3.9	2871 lbf (12771 N)
950 ft (290 m)	1174 lbf (5224 N)	0.7	1773 lbf (7885 N)	2.7	2186 lbf (9724 N)	4.0	2992 lbf (13309 N)
1000 ft (305 m)	1236 lbf (5499 N)	0.8	1851 lbf (8233 N)	2.8	2278 lbf (10131 N)	4.0	3111 lbf (13839 N)
1050 ft (320 m)	1298 lbf (5774 N)	0.8	1928 lbf (8578 N)	2.8	2368 lbf (10535 N)	4.1	3229 lbf (14364 N)
1100 ft (335 m)	1360 lbf (6049 N)	0.8	2005 lbf (8920 N)	2.8	2458 lbf (10935 N)	4.1	3346 lbf (14884 N)
1150 ft (351 m)	1422 lbf (6324 N)	0.8	2082 lbf (9261 N)	2.8	2547 lbf (11331 N)	4.2	3461 lbf (15397 N)
1200 ft (366 m)	1484 lbf (6599 N)	0.8	2158 lbf (9599 N)	2.9	2636 lbf (11725 N)	4.2	3576 lbf (15906 N)
1250 ft (381 m)	1545 lbf (6874 N)	0.8	2234 lbf (9936 N)	2.9	2724 lbf (12115 N)		
1300 ft (396 m)	1607 lbf (7149 N)	0.8	2309 lbf (10271 N)	2.9	2811 lbf (12503 N)		
1350 ft (411 m)	1669 lbf (7424 N)	0.8	2384 lbf (10604 N)	2.9	2897 lbf (12888 N)		
1400 ft (427 m)	1731 lbf (7699 N)	0.8	2458 lbf (10935 N)	3.0	2983 lbf (13271 N)		
1450 ft (442 m)	1793 lbf (7974 N)	0.8	2533 lbf (11265 N)	3.0	3069 lbf (13651 N)		
1500 ft (457 m)	1854 lbf (8249 N)	0.8	2606 lbf (11594 N)	3.0	3154 lbf (14030 N)		
1550 ft (472 m)	1916 lbf (8524 N)	0.8	2680 lbf (11921 N)	3.0	3238 lbf (14406 N)		
1600 ft (488 m)	1978 lbf (8799 N)	0.8	2753 lbf (12247 N)	3.0	3323 lbf (14779 N)		
1650 ft (503 m)	2040 lbf (9074 N)	0.8	2826 lbf (12571 N)	3.1	3406 lbf (15151 N)		
1700 ft (518 m)	2102 lbf (9349 N)	0.8	2899 lbf (12895 N)	3.1	3489 lbf (15522 N)		
1750 ft (533 m)	2164 lbf (9624 N)	0.8	2971 lbf (13217 N)	3.1	3572 lbf (15890 N)		
1800 ft (549 m)	2225 lbf (9899 N)	0.8	3044 lbf (13539 N)				
1850 ft (564 m)	2287 lbf (10174 N)	0.8	3116 lbf (13859 N)				
1900 ft (579 m)	2349 lbf (10449 N)	0.8	3187 lbf (14178 N)				
1950 ft (594 m)	2411 lbf (10724 N)	0.8	3259 lbf (14497 N)				
2000 ft (610 m)	2473 lbf (10999 N)	0.8	3330 lbf (14814 N)				
2050 ft (625 m)	2534 lbf (11274 N)	0.8	3402 lbf (15131 N)				
2100 ft (640 m)	2596 lbf (11549 N)	0.8	3473 lbf (15447 N)				
2150 ft (655 m)	2658 lbf (11824 N)	0.8	3543 lbf (15762 N)				

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 2 cables

217-288 Fibers

Code 6 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
<i>50 ft (15 m)</i>	<i>182 lbf (809 N)</i>	<i>0.8</i>	<i>251 lbf (1117 N)</i>	<i>1.7</i>	<i>302 lbf (1345 N)</i>	<i>2.1</i>	<i>441 lbf (1960 N)</i>
<i>100 ft (30 m)</i>	<i>364 lbf (1619 N)</i>	<i>0.8</i>	<i>485 lbf (2156 N)</i>	<i>1.8</i>	<i>572 lbf (2546 N)</i>	<i>2.3</i>	<i>804 lbf (3575 N)</i>
<i>150 ft (46 m)</i>	<i>546 lbf (2428 N)</i>	<i>0.8</i>	<i>708 lbf (3148 N)</i>	<i>1.9</i>	<i>825 lbf (3668 N)</i>	<i>2.4</i>	<i>1132 lbf (5035 N)</i>
<i>200 ft (61 m)</i>	<i>728 lbf (3238 N)</i>	<i>0.8</i>	<i>924 lbf (4110 N)</i>	<i>2.0</i>	<i>1066 lbf (4741 N)</i>	<i>2.5</i>	<i>1439 lbf (6400 N)</i>
<i>250 ft (76 m)</i>	<i>910 lbf (4047 N)</i>	<i>0.9</i>	<i>1135 lbf (5049 N)</i>	<i>2.0</i>	<i>1299 lbf (5777 N)</i>	<i>2.6</i>	<i>1731 lbf (7698 N)</i>
<i>300 ft (91 m)</i>	<i>1092 lbf (4857 N)</i>	<i>0.9</i>	<i>1342 lbf (5972 N)</i>	<i>2.1</i>	<i>1526 lbf (6787 N)</i>	<i>2.7</i>	<i>2011 lbf (8947 N)</i>
<i>350 ft (107 m)</i>	<i>1274 lbf (5666 N)</i>	<i>0.9</i>	<i>1547 lbf (6881 N)</i>	<i>2.1</i>	<i>1748 lbf (7775 N)</i>	<i>2.8</i>	<i>2283 lbf (10157 N)</i>
<i>400 ft (122 m)</i>	<i>1456 lbf (6476 N)</i>	<i>0.9</i>	<i>1749 lbf (7780 N)</i>	<i>2.1</i>	<i>1966 lbf (8747 N)</i>	<i>2.9</i>	<i>2548 lbf (11335 N)</i>
<i>450 ft (137 m)</i>	<i>1638 lbf (7285 N)</i>	<i>0.9</i>	<i>1949 lbf (8670 N)</i>	<i>2.2</i>	<i>2182 lbf (9704 N)</i>	<i>2.9</i>	<i>2807 lbf (12486 N)</i>
<i>500 ft (152 m)</i>	<i>1820 lbf (8095 N)</i>	<i>0.9</i>	<i>2147 lbf (9552 N)</i>	<i>2.2</i>	<i>2394 lbf (10649 N)</i>	<i>3.0</i>	<i>3061 lbf (13615 N)</i>
<i>550 ft (168 m)</i>	<i>2002 lbf (8904 N)</i>	<i>0.9</i>	<i>2344 lbf (10429 N)</i>	<i>2.2</i>	<i>2604 lbf (11584 N)</i>	<i>3.0</i>	<i>3310 lbf (14725 N)</i>
<i>600 ft (183 m)</i>	<i>2184 lbf (9714 N)</i>	<i>0.9</i>	<i>2540 lbf (11300 N)</i>	<i>2.3</i>	<i>2812 lbf (12510 N)</i>	<i>3.1</i>	<i>3556 lbf (15818 N)</i>
<i>650 ft (198 m)</i>	<i>2366 lbf (10523 N)</i>	<i>0.9</i>	<i>2735 lbf (12166 N)</i>	<i>2.3</i>	<i>3019 lbf (13428 N)</i>	<i>3.1</i>	<i>3798 lbf (16896 N)</i>
<i>700 ft (213 m)</i>	<i>2548 lbf (11333 N)</i>	<i>0.9</i>	<i>2929 lbf (13028 N)</i>	<i>2.3</i>	<i>3224 lbf (14340 N)</i>	<i>3.2</i>	<i>4038 lbf (17961 N)</i>
<i>750 ft (229 m)</i>	<i>2730 lbf (12142 N)</i>	<i>0.9</i>	<i>3122 lbf (13887 N)</i>	<i>2.3</i>	<i>3427 lbf (15245 N)</i>	<i>3.2</i>	<i>4275 lbf (19014 N)</i>
<i>800 ft (244 m)</i>	<i>2912 lbf (12952 N)</i>	<i>0.9</i>	<i>3314 lbf (14743 N)</i>	<i>2.3</i>	<i>3630 lbf (16145 N)</i>	<i>3.2</i>	<i>4509 lbf (20056 N)</i>
<i>850 ft (259 m)</i>	<i>3094 lbf (13761 N)</i>	<i>0.9</i>	<i>3506 lbf (15595 N)</i>	<i>2.3</i>	<i>3831 lbf (17040 N)</i>	<i>3.3</i>	<i>4741 lbf (21089 N)</i>
<i>900 ft (274 m)</i>	<i>3276 lbf (14571 N)</i>	<i>0.9</i>	<i>3697 lbf (16446 N)</i>	<i>2.4</i>	<i>4031 lbf (17931 N)</i>	<i>3.3</i>	<i>4971 lbf (22112 N)</i>
<i>950 ft (290 m)</i>	<i>3458 lbf (15380 N)</i>	<i>1.0</i>	<i>3888 lbf (17294 N)</i>	<i>2.4</i>	<i>4230 lbf (18817 N)</i>	<i>3.3</i>	<i>5199 lbf (23127 N)</i>
<i>1000 ft (305 m)</i>	<i>3640 lbf (16190 N)</i>	<i>1.0</i>	<i>4078 lbf (18140 N)</i>	<i>2.4</i>	<i>4429 lbf (19700 N)</i>	<i>3.4</i>	<i>5426 lbf (24135 N)</i>
<i>1050 ft (320 m)</i>	<i>3822 lbf (16999 N)</i>	<i>1.0</i>	<i>4268 lbf (18984 N)</i>	<i>2.4</i>	<i>4627 lbf (20580 N)</i>	<i>3.4</i>	<i>5651 lbf (25135 N)</i>
<i>1100 ft (335 m)</i>	<i>4004 lbf (17809 N)</i>	<i>1.0</i>	<i>4457 lbf (19826 N)</i>	<i>2.4</i>	<i>4824 lbf (21456 N)</i>	<i>3.4</i>	<i>5874 lbf (26130 N)</i>
<i>1150 ft (351 m)</i>	<i>4186 lbf (18618 N)</i>	<i>1.0</i>	<i>4646 lbf (20667 N)</i>	<i>2.4</i>	<i>5020 lbf (22330 N)</i>	<i>3.4</i>	<i>6096 lbf (27118 N)</i>
<i>1200 ft (366 m)</i>	<i>4367 lbf (19428 N)</i>	<i>1.0</i>	<i>4835 lbf (21506 N)</i>	<i>2.4</i>	<i>5216 lbf (23201 N)</i>	<i>3.5</i>	<i>6317 lbf (28100 N)</i>
<i>1250 ft (381 m)</i>	<i>4549 lbf (20237 N)</i>	<i>1.0</i>	<i>5023 lbf (22344 N)</i>	<i>2.4</i>	<i>5411 lbf (24070 N)</i>		
<i>1300 ft (396 m)</i>	<i>4731 lbf (21046 N)</i>	<i>1.0</i>	<i>5211 lbf (23181 N)</i>	<i>2.5</i>	<i>5606 lbf (24936 N)</i>		
<i>1350 ft (411 m)</i>	<i>4913 lbf (21856 N)</i>	<i>1.0</i>	<i>5399 lbf (24016 N)</i>	<i>2.5</i>	<i>5800 lbf (25800 N)</i>		
<i>1400 ft (427 m)</i>	<i>5095 lbf (22665 N)</i>	<i>1.0</i>	<i>5587 lbf (24851 N)</i>	<i>2.5</i>	<i>5994 lbf (26662 N)</i>		
<i>1450 ft (442 m)</i>	<i>5277 lbf (23475 N)</i>	<i>1.0</i>	<i>5774 lbf (25685 N)</i>	<i>2.5</i>	<i>6187 lbf (27523 N)</i>		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 4 cables

145-216 Fibers

Code 8 MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy			
		Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
		<i>50 ft (15 m)</i>	<i>139 lbf (620 N)</i>	0.7	<i>208 lbf (926 N)</i>	1.8	<i>257 lbf (1143 N)</i>	2.1	<i>385 lbf (1714 N)</i>
		<i>100 ft (30 m)</i>	<i>279 lbf (1240 N)</i>	0.7	<i>402 lbf (1788 N)</i>	1.9	<i>488 lbf (2169 N)</i>	2.3	<i>707 lbf (3143 N)</i>
		<i>150 ft (46 m)</i>	<i>418 lbf (1860 N)</i>	0.8	<i>587 lbf (2610 N)</i>	2.0	<i>703 lbf (3126 N)</i>	2.5	<i>997 lbf (4434 N)</i>
		<i>200 ft (61 m)</i>	<i>557 lbf (2480 N)</i>	0.8	<i>765 lbf (3403 N)</i>	2.0	<i>907 lbf (4037 N)</i>	2.6	<i>1267 lbf (5637 N)</i>
		<i>250 ft (76 m)</i>	<i>697 lbf (3099 N)</i>	0.8	<i>939 lbf (4175 N)</i>	2.1	<i>1105 lbf (4914 N)</i>	2.7	<i>1524 lbf (6777 N)</i>
		<i>300 ft (91 m)</i>	<i>836 lbf (3719 N)</i>	0.8	<i>1109 lbf (4931 N)</i>	2.1	<i>1296 lbf (5765 N)</i>	2.8	<i>1769 lbf (7871 N)</i>
		<i>350 ft (107 m)</i>	<i>976 lbf (4339 N)</i>	0.8	<i>1275 lbf (5673 N)</i>	2.2	<i>1483 lbf (6595 N)</i>	2.9	<i>2007 lbf (8927 N)</i>
		<i>400 ft (122 m)</i>	<i>1115 lbf (4959 N)</i>	0.8	<i>1440 lbf (6405 N)</i>	2.2	<i>1665 lbf (7408 N)</i>	2.9	<i>2237 lbf (9953 N)</i>
		<i>450 ft (137 m)</i>	<i>1254 lbf (5579 N)</i>	0.8	<i>1602 lbf (7126 N)</i>	2.2	<i>1845 lbf (8206 N)</i>	3.0	<i>2462 lbf (10953 N)</i>
		<i>500 ft (152 m)</i>	<i>1394 lbf (6199 N)</i>	0.9	<i>1763 lbf (7841 N)</i>	2.3	<i>2021 lbf (8992 N)</i>	3.1	<i>2682 lbf (11931 N)</i>
		<i>550 ft (168 m)</i>	<i>1533 lbf (6819 N)</i>	0.9	<i>1922 lbf (8548 N)</i>	2.3	<i>2196 lbf (9767 N)</i>	3.1	<i>2898 lbf (12890 N)</i>
		<i>600 ft (183 m)</i>	<i>1672 lbf (7439 N)</i>	0.9	<i>2079 lbf (9249 N)</i>	2.3	<i>2368 lbf (10533 N)</i>	3.2	<i>3110 lbf (13832 N)</i>
		<i>650 ft (198 m)</i>	<i>1812 lbf (8059 N)</i>	0.9	<i>2236 lbf (9945 N)</i>	2.4	<i>2538 lbf (11290 N)</i>	3.2	<i>3318 lbf (14759 N)</i>
		<i>700 ft (213 m)</i>	<i>1951 lbf (8679 N)</i>	0.9	<i>2391 lbf (10636 N)</i>	2.4	<i>2707 lbf (12040 N)</i>	3.3	<i>3523 lbf (15673 N)</i>
		<i>750 ft (229 m)</i>	<i>2090 lbf (9298 N)</i>	0.9	<i>2546 lbf (11323 N)</i>	2.4	<i>2874 lbf (12784 N)</i>	3.3	<i>3726 lbf (16575 N)</i>
		<i>800 ft (244 m)</i>	<i>2230 lbf (9918 N)</i>	0.9	<i>2699 lbf (12007 N)</i>	2.4	<i>3040 lbf (13521 N)</i>	3.4	<i>3927 lbf (17466 N)</i>
		<i>850 ft (259 m)</i>	<i>2369 lbf (10538 N)</i>	0.9	<i>2852 lbf (12687 N)</i>	2.4	<i>3204 lbf (14253 N)</i>	3.4	<i>4125 lbf (18347 N)</i>
		<i>900 ft (274 m)</i>	<i>2508 lbf (11158 N)</i>	0.9	<i>3004 lbf (13364 N)</i>	2.5	<i>3368 lbf (14980 N)</i>	3.4	<i>4321 lbf (19219 N)</i>
		<i>950 ft (290 m)</i>	<i>2648 lbf (11778 N)</i>	0.9	<i>3156 lbf (14038 N)</i>	2.5	<i>3530 lbf (15703 N)</i>	3.5	<i>4515 lbf (20083 N)</i>
		<i>1000 ft (305 m)</i>	<i>2787 lbf (12398 N)</i>	0.9	<i>3307 lbf (14710 N)</i>	2.5	<i>3692 lbf (16421 N)</i>	3.5	<i>4707 lbf (20939 N)</i>
		<i>1050 ft (320 m)</i>	<i>2927 lbf (13018 N)</i>	0.9	<i>3457 lbf (15379 N)</i>	2.5	<i>3852 lbf (17135 N)</i>	3.5	<i>4898 lbf (21787 N)</i>
		<i>1100 ft (335 m)</i>	<i>3066 lbf (13638 N)</i>	0.9	<i>3607 lbf (16046 N)</i>	2.5	<i>4012 lbf (17846 N)</i>	3.6	<i>5087 lbf (22629 N)</i>
		<i>1150 ft (351 m)</i>	<i>3205 lbf (14258 N)</i>	0.9	<i>3757 lbf (16711 N)</i>	2.5	<i>4171 lbf (18554 N)</i>	3.6	<i>5275 lbf (23465 N)</i>
		<i>1200 ft (366 m)</i>	<i>3345 lbf (14878 N)</i>	0.9	<i>3906 lbf (17374 N)</i>	2.6	<i>4329 lbf (19258 N)</i>	3.6	<i>5462 lbf (24294 N)</i>
		<i>1250 ft (381 m)</i>	<i>3484 lbf (15497 N)</i>	0.9	<i>4055 lbf (18036 N)</i>	2.6	<i>4487 lbf (19959 N)</i>	3.7	<i>5647 lbf (25118 N)</i>
		<i>1300 ft (396 m)</i>	<i>3623 lbf (16117 N)</i>	0.9	<i>4203 lbf (18696 N)</i>	2.6	<i>4644 lbf (20658 N)</i>	3.7	<i>5831 lbf (25937 N)</i>
		<i>1350 ft (411 m)</i>	<i>3763 lbf (16737 N)</i>	0.9	<i>4351 lbf (19354 N)</i>	2.6	<i>4801 lbf (21354 N)</i>	3.7	<i>6014 lbf (26751 N)</i>
		<i>1400 ft (427 m)</i>	<i>3902 lbf (17357 N)</i>	0.9	<i>4499 lbf (20012 N)</i>	2.6	<i>4957 lbf (22048 N)</i>		
		<i>1450 ft (442 m)</i>	<i>4041 lbf (17977 N)</i>	0.9	<i>4646 lbf (20667 N)</i>	2.6	<i>5112 lbf (22739 N)</i>		
		<i>1500 ft (457 m)</i>	<i>4181 lbf (18597 N)</i>	0.9	<i>4793 lbf (21322 N)</i>	2.6	<i>5267 lbf (23429 N)</i>		
		<i>1550 ft (472 m)</i>	<i>4320 lbf (19217 N)</i>	0.9	<i>4940 lbf (21975 N)</i>	2.6	<i>5422 lbf (24116 N)</i>		
		<i>1600 ft (488 m)</i>	<i>4459 lbf (19837 N)</i>	0.9	<i>5087 lbf (22628 N)</i>	2.6	<i>5576 lbf (24802 N)</i>		
		<i>1650 ft (503 m)</i>	<i>4599 lbf (20457 N)</i>	1.0	<i>5233 lbf (23279 N)</i>	2.7	<i>5729 lbf (25485 N)</i>		
		<i>1700 ft (518 m)</i>	<i>4738 lbf (21077 N)</i>	1.0	<i>5380 lbf (23929 N)</i>	2.7	<i>5883 lbf (26167 N)</i>		
		<i>1750 ft (533 m)</i>	<i>4878 lbf (21696 N)</i>	1.0	<i>5526 lbf (24579 N)</i>	2.7	<i>6036 lbf (26848 N)</i>		
		<i>1800 ft (549 m)</i>	<i>5017 lbf (22316 N)</i>	1.0	<i>5671 lbf (25227 N)</i>				
		<i>1850 ft (564 m)</i>	<i>5156 lbf (22936 N)</i>	1.0	<i>5817 lbf (25875 N)</i>				
		<i>1900 ft (579 m)</i>	<i>5296 lbf (23556 N)</i>	1.0	<i>5962 lbf (26522 N)</i>				

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 5 cables

12-72 Fibers

Code A MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	81 lbf (361 N)	0.6	156 lbf (696 N)	1.7	210 lbf (932 N)	2.1	328 lbf (1458 N)
100 ft (30 m)	162 lbf (722 N)	0.6	301 lbf (1337 N)	1.8	395 lbf (1757 N)	2.3	599 lbf (2665 N)
150 ft (46 m)	243 lbf (1083 N)	0.6	436 lbf (1942 N)	1.9	566 lbf (2516 N)	2.4	842 lbf (3744 N)
200 ft (61 m)	325 lbf (1444 N)	0.6	566 lbf (2520 N)	1.9	727 lbf (3232 N)	2.5	1066 lbf (4743 N)
250 ft (76 m)	406 lbf (1804 N)	0.6	692 lbf (3078 N)	2.0	880 lbf (3915 N)	2.7	1278 lbf (5683 N)
300 ft (91 m)	487 lbf (2165 N)	0.7	814 lbf (3619 N)	2.1	1028 lbf (4571 N)	2.7	1479 lbf (6579 N)
350 ft (107 m)	568 lbf (2526 N)	0.7	932 lbf (4146 N)	2.1	1170 lbf (5206 N)	2.8	1673 lbf (7440 N)
400 ft (122 m)	649 lbf (2887 N)	0.7	1048 lbf (4663 N)	2.2	1309 lbf (5824 N)	2.9	1859 lbf (8271 N)
450 ft (137 m)	730 lbf (3248 N)	0.7	1162 lbf (5169 N)	2.2	1445 lbf (6427 N)	3.0	2041 lbf (9078 N)
500 ft (152 m)	811 lbf (3609 N)	0.7	1274 lbf (5667 N)	2.2	1577 lbf (7017 N)	3.1	2217 lbf (9864 N)
550 ft (168 m)	892 lbf (3970 N)	0.7	1384 lbf (6157 N)	2.3	1708 lbf (7596 N)	3.1	2390 lbf (10631 N)
600 ft (183 m)	974 lbf (4331 N)	0.7	1493 lbf (6641 N)	2.3	1835 lbf (8164 N)	3.2	2559 lbf (11381 N)
650 ft (198 m)	1055 lbf (4692 N)	0.7	1600 lbf (7119 N)	2.3	1961 lbf (8724 N)	3.2	2724 lbf (12117 N)
700 ft (213 m)	1136 lbf (5053 N)	0.7	1707 lbf (7591 N)	2.4	2085 lbf (9275 N)	3.3	2887 lbf (12840 N)
750 ft (229 m)	1217 lbf (5413 N)	0.7	1812 lbf (8059 N)	2.4	2207 lbf (9819 N)	3.4	3046 lbf (13551 N)
800 ft (244 m)	1298 lbf (5774 N)	0.8	1916 lbf (8522 N)	2.4	2328 lbf (10356 N)	3.4	3204 lbf (14251 N)
850 ft (259 m)	1379 lbf (6135 N)	0.8	2019 lbf (8981 N)	2.5	2448 lbf (10887 N)	3.4	3359 lbf (14941 N)
900 ft (274 m)	1460 lbf (6496 N)	0.8	2121 lbf (9436 N)	2.5	2566 lbf (11413 N)	3.5	3512 lbf (15622 N)
950 ft (290 m)	1542 lbf (6857 N)	0.8	2223 lbf (9888 N)	2.5	2683 lbf (11933 N)	3.5	3663 lbf (16295 N)
1000 ft (305 m)	1623 lbf (7218 N)	0.8	2324 lbf (10337 N)	2.5	2799 lbf (12449 N)	3.6	3813 lbf (16960 N)
1050 ft (320 m)	1704 lbf (7579 N)	0.8	2424 lbf (10782 N)	2.6	2913 lbf (12959 N)	3.6	3960 lbf (17617 N)
1100 ft (335 m)	1785 lbf (7940 N)	0.8	2523 lbf (11225 N)	2.6	3027 lbf (13466 N)	3.7	4107 lbf (18267 N)
1150 ft (351 m)	1866 lbf (8301 N)	0.8	2622 lbf (11665 N)	2.6	3140 lbf (13969 N)	3.7	4251 lbf (18911 N)
1200 ft (366 m)	1947 lbf (8661 N)	0.8	2721 lbf (12103 N)	2.6	3252 lbf (14468 N)	3.7	4395 lbf (19549 N)
1250 ft (381 m)	2028 lbf (9022 N)	0.8	2819 lbf (12538 N)	2.6	3364 lbf (14963 N)	3.8	4537 lbf (20181 N)
1300 ft (396 m)	2109 lbf (9383 N)	0.8	2916 lbf (12971 N)	2.7	3474 lbf (15455 N)	3.8	4678 lbf (20807 N)
1350 ft (411 m)	2191 lbf (9744 N)	0.8	3013 lbf (13403 N)	2.7	3584 lbf (15944 N)	3.8	4817 lbf (21429 N)
1400 ft (427 m)	2272 lbf (10105 N)	0.8	3110 lbf (13832 N)	2.7	3694 lbf (16430 N)	3.9	4956 lbf (22046 N)
1450 ft (442 m)	2353 lbf (10466 N)	0.8	3206 lbf (14259 N)	2.7	3802 lbf (16913 N)	3.9	5094 lbf (22657 N)
1500 ft (457 m)	2434 lbf (10827 N)	0.8	3301 lbf (14685 N)	2.7	3910 lbf (17393 N)	3.9	5230 lbf (23265 N)
1550 ft (472 m)	2515 lbf (11188 N)	0.8	3397 lbf (15109 N)	2.7	4018 lbf (17871 N)	4.0	5366 lbf (23868 N)
1600 ft (488 m)	2596 lbf (11549 N)	0.8	3492 lbf (15531 N)	2.8	4124 lbf (18346 N)	4.0	5501 lbf (24468 N)
1650 ft (503 m)	2677 lbf (11909 N)	0.8	3586 lbf (15952 N)	2.8	4231 lbf (18819 N)	4.0	5634 lbf (25063 N)
1700 ft (518 m)	2758 lbf (12270 N)	0.8	3681 lbf (16372 N)	2.8	4337 lbf (19290 N)	4.0	5767 lbf (25655 N)
1750 ft (533 m)	2840 lbf (12631 N)	0.8	3775 lbf (16790 N)	2.8	4442 lbf (19759 N)	4.1	5900 lbf (26243 N)
1800 ft (549 m)	2921 lbf (12992 N)	0.8	3868 lbf (17207 N)	2.8	4547 lbf (20225 N)	4.1	6031 lbf (26828 N)
1850 ft (564 m)	3002 lbf (13353 N)	0.8	3962 lbf (17622 N)	2.8	4651 lbf (20690 N)		
1900 ft (579 m)	3083 lbf (13714 N)	0.8	4055 lbf (18037 N)	2.8	4755 lbf (21153 N)		
1950 ft (594 m)	3164 lbf (14075 N)	0.8	4148 lbf (18450 N)	2.9	4859 lbf (21614 N)		
2000 ft (610 m)	3245 lbf (14436 N)	0.9	4240 lbf (18862 N)	2.9	4962 lbf (22073 N)		
2050 ft (625 m)	3326 lbf (14797 N)	0.9	4333 lbf (19273 N)	2.9	5065 lbf (22530 N)		
2100 ft (640 m)	3408 lbf (15158 N)	0.9	4425 lbf (19684 N)	2.9	5167 lbf (22986 N)		
2150 ft (655 m)	3489 lbf (15518 N)	0.9	4517 lbf (20093 N)	2.9	5270 lbf (23440 N)		
2200 ft (671 m)	3570 lbf (15879 N)	0.9	4609 lbf (20501 N)	2.9	5371 lbf (23893 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 4 cables

97-144 Fibers

Code A MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	138 lbf (613 N)	0.7	215 lbf (957 N)	1.7	268 lbf (1191 N)	2.0	397 lbf (1767 N)
100 ft (30 m)	276 lbf (1226 N)	0.7	411 lbf (1828 N)	1.8	501 lbf (2227 N)	2.3	717 lbf (3190 N)
150 ft (46 m)	413 lbf (1839 N)	0.7	596 lbf (2650 N)	1.9	716 lbf (3183 N)	2.4	1003 lbf (4462 N)
200 ft (61 m)	551 lbf (2452 N)	0.8	773 lbf (3440 N)	2.0	919 lbf (4088 N)	2.5	1269 lbf (5644 N)
250 ft (76 m)	689 lbf (3064 N)	0.8	945 lbf (4206 N)	2.0	1114 lbf (4957 N)	2.7	1520 lbf (6761 N)
300 ft (91 m)	827 lbf (3677 N)	0.8	1114 lbf (4953 N)	2.1	1303 lbf (5798 N)	2.8	1761 lbf (7832 N)
350 ft (107 m)	964 lbf (4290 N)	0.8	1278 lbf (5687 N)	2.1	1488 lbf (6617 N)	2.8	1993 lbf (8865 N)
400 ft (122 m)	1102 lbf (4903 N)	0.8	1441 lbf (6409 N)	2.2	1668 lbf (7418 N)	2.9	2218 lbf (9867 N)
450 ft (137 m)	1240 lbf (5516 N)	0.8	1601 lbf (7121 N)	2.2	1844 lbf (8205 N)	3.0	2438 lbf (10844 N)
500 ft (152 m)	1378 lbf (6129 N)	0.8	1759 lbf (7825 N)	2.2	2018 lbf (8979 N)	3.1	2653 lbf (11800 N)
550 ft (168 m)	1516 lbf (6742 N)	0.9	1916 lbf (8522 N)	2.3	2190 lbf (9742 N)	3.1	2863 lbf (12737 N)
600 ft (183 m)	1653 lbf (7355 N)	0.9	2071 lbf (9213 N)	2.3	2359 lbf (10495 N)	3.2	3070 lbf (13657 N)
650 ft (198 m)	1791 lbf (7967 N)	0.9	2225 lbf (9899 N)	2.3	2527 lbf (11241 N)	3.2	3274 lbf (14563 N)
700 ft (213 m)	1929 lbf (8580 N)	0.9	2379 lbf (10580 N)	2.4	2693 lbf (11979 N)	3.3	3475 lbf (15456 N)
750 ft (229 m)	2067 lbf (9193 N)	0.9	2531 lbf (11257 N)	2.4	2857 lbf (12710 N)	3.3	3673 lbf (16337 N)
800 ft (244 m)	2204 lbf (9806 N)	0.9	2682 lbf (11930 N)	2.4	3020 lbf (13436 N)	3.4	3868 lbf (17207 N)
850 ft (259 m)	2342 lbf (10419 N)	0.9	2833 lbf (12600 N)	2.4	3182 lbf (14156 N)	3.4	4062 lbf (18068 N)
900 ft (274 m)	2480 lbf (11032 N)	0.9	2983 lbf (13267 N)	2.4	3343 lbf (14871 N)	3.4	4253 lbf (18920 N)
950 ft (290 m)	2618 lbf (11645 N)	0.9	3132 lbf (13931 N)	2.5	3503 lbf (15582 N)	3.5	4443 lbf (19764 N)
1000 ft (305 m)	2756 lbf (12258 N)	0.9	3281 lbf (14593 N)	2.5	3662 lbf (16288 N)	3.5	4631 lbf (20601 N)
1050 ft (320 m)	2893 lbf (12870 N)	0.9	3429 lbf (15252 N)	2.5	3820 lbf (16991 N)	3.6	4818 lbf (21430 N)
1100 ft (335 m)	3031 lbf (13483 N)	0.9	3577 lbf (15909 N)	2.5	3977 lbf (17690 N)	3.6	5003 lbf (22253 N)
1150 ft (351 m)	3169 lbf (14096 N)	0.9	3724 lbf (16565 N)	2.5	4133 lbf (18386 N)	3.6	5186 lbf (23069 N)
1200 ft (366 m)	3307 lbf (14709 N)	0.9	3871 lbf (17218 N)	2.5	4289 lbf (19079 N)	3.6	5369 lbf (23880 N)
1250 ft (381 m)	3445 lbf (15322 N)	0.9	4017 lbf (17870 N)	2.6	4444 lbf (19769 N)	3.7	5550 lbf (24686 N)
1300 ft (396 m)	3582 lbf (15935 N)	0.9	4163 lbf (18520 N)	2.6	4599 lbf (20457 N)		
1350 ft (411 m)	3720 lbf (16548 N)	0.9	4309 lbf (19169 N)	2.6	4753 lbf (21142 N)		
1400 ft (427 m)	3858 lbf (17161 N)	0.9	4455 lbf (19817 N)	2.6	4906 lbf (21825 N)		
1450 ft (442 m)	3996 lbf (17773 N)	0.9	4600 lbf (20463 N)	2.6	5059 lbf (22505 N)		
1500 ft (457 m)	4133 lbf (18386 N)	0.9	4745 lbf (21108 N)	2.6	5212 lbf (23184 N)		
1550 ft (472 m)	4271 lbf (18999 N)	0.9	4890 lbf (21752 N)	2.6	5364 lbf (23860 N)		
1600 ft (488 m)	4409 lbf (19612 N)	0.9	5035 lbf (22395 N)	2.6	5516 lbf (24535 N)		
1650 ft (503 m)	4547 lbf (20225 N)	1.0	5179 lbf (23037 N)	2.6	5667 lbf (25208 N)		
1700 ft (518 m)	4685 lbf (20838 N)	1.0	5323 lbf (23678 N)				
1750 ft (533 m)	4822 lbf (21451 N)	1.0	5467 lbf (24318 N)				
1800 ft (549 m)	4960 lbf (22064 N)	1.0	5611 lbf (24958 N)				

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 8 cables

145-216 Fibers

Code A MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	143 lbf (636 N)	0.7	210 lbf (935 N)	1.8	260 lbf (1156 N)	2.1	392 lbf (1745 N)
100 ft (30 m)	286 lbf (1272 N)	0.8	408 lbf (1816 N)	1.9	497 lbf (2209 N)	2.3	726 lbf (3230 N)
150 ft (46 m)	429 lbf (1907 N)	0.8	598 lbf (2661 N)	1.9	719 lbf (3198 N)	2.4	1029 lbf (4579 N)
200 ft (61 m)	572 lbf (2543 N)	0.8	782 lbf (3479 N)	2.0	931 lbf (4143 N)	2.5	1313 lbf (5839 N)
250 ft (76 m)	715 lbf (3179 N)	0.8	962 lbf (4277 N)	2.0	1136 lbf (5054 N)	2.6	1582 lbf (7036 N)
300 ft (91 m)	858 lbf (3815 N)	0.8	1137 lbf (5059 N)	2.1	1335 lbf (5939 N)	2.7	1840 lbf (8184 N)
350 ft (107 m)	1000 lbf (4450 N)	0.8	1310 lbf (5827 N)	2.1	1529 lbf (6803 N)	2.8	2089 lbf (9293 N)
400 ft (122 m)	1143 lbf (5086 N)	0.8	1480 lbf (6584 N)	2.2	1720 lbf (7649 N)	2.9	2331 lbf (10370 N)
450 ft (137 m)	1286 lbf (5722 N)	0.8	1648 lbf (7331 N)	2.2	1906 lbf (8480 N)	2.9	2567 lbf (11420 N)
500 ft (152 m)	1429 lbf (6358 N)	0.8	1814 lbf (8071 N)	2.2	2090 lbf (9298 N)	3.0	2798 lbf (12447 N)
550 ft (168 m)	1572 lbf (6993 N)	0.9	1979 lbf (8803 N)	2.3	2272 lbf (10105 N)	3.0	3025 lbf (13454 N)
600 ft (183 m)	1715 lbf (7629 N)	0.9	2142 lbf (9529 N)	2.3	2451 lbf (10902 N)	3.1	3247 lbf (14443 N)
650 ft (198 m)	1858 lbf (8265 N)	0.9	2304 lbf (10249 N)	2.3	2628 lbf (11690 N)	3.1	3466 lbf (15416 N)
700 ft (213 m)	2001 lbf (8901 N)	0.9	2465 lbf (10965 N)	2.3	2803 lbf (12470 N)	3.2	3681 lbf (16375 N)
750 ft (229 m)	2144 lbf (9537 N)	0.9	2625 lbf (11676 N)	2.3	2977 lbf (13243 N)	3.2	3894 lbf (17320 N)
800 ft (244 m)	2287 lbf (10172 N)	0.9	2784 lbf (12383 N)	2.4	3150 lbf (14010 N)	3.2	4104 lbf (18255 N)
850 ft (259 m)	2430 lbf (10808 N)	0.9	2942 lbf (13086 N)	2.4	3321 lbf (14771 N)	3.3	4311 lbf (19178 N)
900 ft (274 m)	2573 lbf (11444 N)	0.9	3099 lbf (13786 N)	2.4	3491 lbf (15527 N)	3.3	4517 lbf (20092 N)
950 ft (290 m)	2716 lbf (12080 N)	0.9	3256 lbf (14483 N)	2.4	3659 lbf (16277 N)	3.4	4720 lbf (20997 N)
1000 ft (305 m)	2859 lbf (12715 N)	0.9	3412 lbf (15178 N)	2.4	3827 lbf (17023 N)	3.4	4922 lbf (21893 N)
1050 ft (320 m)	3001 lbf (13351 N)	0.9	3568 lbf (15870 N)	2.5	3994 lbf (17765 N)	3.4	5122 lbf (22782 N)
1100 ft (335 m)	3144 lbf (13987 N)	0.9	3723 lbf (16559 N)	2.5	4160 lbf (18503 N)	3.5	5320 lbf (23663 N)
1150 ft (351 m)	3287 lbf (14623 N)	0.9	3877 lbf (17246 N)	2.5	4325 lbf (19238 N)	3.5	5516 lbf (24537 N)
1200 ft (366 m)	3430 lbf (15258 N)	0.9	4031 lbf (17932 N)	2.5	4489 lbf (19969 N)	3.5	5711 lbf (25405 N)
1250 ft (381 m)	3573 lbf (15894 N)	0.9	4185 lbf (18615 N)	2.5	4653 lbf (20696 N)	3.5	5905 lbf (26267 N)
1300 ft (396 m)	3716 lbf (16530 N)	0.9	4338 lbf (19296 N)	2.5	4816 lbf (21421 N)	3.6	6098 lbf (27124 N)
1350 ft (411 m)	3859 lbf (17166 N)	0.9	4491 lbf (19976 N)	2.5	4978 lbf (22143 N)	3.6	6289 lbf (27975 N)
1400 ft (427 m)	4002 lbf (17802 N)	0.9	4643 lbf (20655 N)	2.5	5140 lbf (22863 N)	3.6	6479 lbf (28820 N)
1450 ft (442 m)	4145 lbf (18437 N)	0.9	4796 lbf (21332 N)	2.6	5301 lbf (23579 N)	3.6	6668 lbf (29661 N)
1500 ft (457 m)	4288 lbf (19073 N)	0.9	4947 lbf (22007 N)	2.6	5462 lbf (24294 N)	3.7	6856 lbf (30498 N)
1550 ft (472 m)	4431 lbf (19709 N)	0.9	5099 lbf (22681 N)	2.6	5622 lbf (25006 N)	3.7	7043 lbf (31330 N)
1600 ft (488 m)	4574 lbf (20345 N)	0.9	5250 lbf (23354 N)	2.6	5781 lbf (25717 N)	3.7	7229 lbf (32158 N)
1650 ft (503 m)	4717 lbf (20980 N)	0.9	5401 lbf (24026 N)	2.6	5941 lbf (26425 N)		
1700 ft (518 m)	4860 lbf (21616 N)	0.9	5552 lbf (24697 N)	2.6	6099 lbf (27131 N)		
1750 ft (533 m)	5002 lbf (22252 N)	0.9	5703 lbf (25367 N)	2.6	6258 lbf (27836 N)		
1800 ft (549 m)	5145 lbf (22888 N)	0.9	5853 lbf (26036 N)	2.6	6416 lbf (28539 N)		
1850 ft (564 m)	5288 lbf (23523 N)	1.0	6003 lbf (26704 N)	2.6	6573 lbf (29240 N)		
1900 ft (579 m)	5431 lbf (24159 N)	1.0	6153 lbf (27371 N)	2.6	6731 lbf (29939 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 6 cables

217-288 Fibers

Code A MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	188 lbf (837 N)	0.8	251 lbf (1118 N)	1.8	303 lbf (1350 N)	2.1	448 lbf (1995 N)
100 ft (30 m)	377 lbf (1675 N)	0.8	490 lbf (2180 N)	1.8	582 lbf (2590 N)	2.2	832 lbf (3702 N)
150 ft (46 m)	565 lbf (2512 N)	0.8	721 lbf (3205 N)	1.9	846 lbf (3763 N)	2.3	1183 lbf (5260 N)
200 ft (61 m)	753 lbf (3350 N)	0.9	945 lbf (4204 N)	2.0	1099 lbf (4889 N)	2.4	1511 lbf (6722 N)
250 ft (76 m)	941 lbf (4187 N)	0.9	1165 lbf (5183 N)	2.0	1344 lbf (5981 N)	2.5	1824 lbf (8116 N)
300 ft (91 m)	1130 lbf (5025 N)	0.9	1381 lbf (6145 N)	2.0	1584 lbf (7045 N)	2.6	2126 lbf (9457 N)
350 ft (107 m)	1318 lbf (5862 N)	0.9	1595 lbf (7095 N)	2.1	1818 lbf (8088 N)	2.7	2418 lbf (10756 N)
400 ft (122 m)	1506 lbf (6700 N)	0.9	1806 lbf (8034 N)	2.1	2049 lbf (9113 N)	2.7	2702 lbf (12021 N)
450 ft (137 m)	1694 lbf (7537 N)	0.9	2015 lbf (8964 N)	2.1	2276 lbf (10123 N)	2.8	2980 lbf (13257 N)
500 ft (152 m)	1883 lbf (8374 N)	0.9	2222 lbf (9886 N)	2.2	2500 lbf (11120 N)	2.8	3253 lbf (14468 N)
550 ft (168 m)	2071 lbf (9212 N)	0.9	2428 lbf (10802 N)	2.2	2722 lbf (12106 N)	2.9	3520 lbf (15659 N)
600 ft (183 m)	2259 lbf (10049 N)	0.9	2633 lbf (11712 N)	2.2	2941 lbf (13083 N)	2.9	3784 lbf (16830 N)
650 ft (198 m)	2447 lbf (10887 N)	0.9	2836 lbf (12617 N)	2.2	3159 lbf (14050 N)	3.0	4043 lbf (17985 N)
700 ft (213 m)	2636 lbf (11724 N)	0.9	3039 lbf (13517 N)	2.2	3374 lbf (15010 N)	3.0	4299 lbf (19125 N)
750 ft (229 m)	2824 lbf (12562 N)	0.9	3240 lbf (14414 N)	2.2	3589 lbf (15964 N)	3.1	4553 lbf (20252 N)
800 ft (244 m)	3012 lbf (13399 N)	0.9	3441 lbf (15307 N)	2.3	3802 lbf (16911 N)	3.1	4803 lbf (21366 N)
850 ft (259 m)	3200 lbf (14236 N)	0.9	3641 lbf (16197 N)	2.3	4013 lbf (17853 N)	3.1	5051 lbf (22469 N)
900 ft (274 m)	3389 lbf (15074 N)	0.9	3841 lbf (17084 N)	2.3	4224 lbf (18789 N)	3.1	5297 lbf (23563 N)
950 ft (290 m)	3577 lbf (15911 N)	0.9	4039 lbf (17968 N)	2.3	4433 lbf (19721 N)	3.2	5541 lbf (24646 N)
1000 ft (305 m)	3765 lbf (16749 N)	0.9	4238 lbf (18850 N)	2.3	4642 lbf (20649 N)	3.2	5782 lbf (25722 N)
1050 ft (320 m)	3954 lbf (17586 N)	1.0	4435 lbf (19730 N)	2.3	4850 lbf (21573 N)	3.2	6022 lbf (26789 N)
1100 ft (335 m)	4142 lbf (18424 N)	1.0	4633 lbf (20608 N)	2.3	5057 lbf (22493 N)	3.3	6261 lbf (27849 N)
1150 ft (351 m)	4330 lbf (19261 N)	1.0	4830 lbf (21484 N)	2.4	5263 lbf (23410 N)	3.3	6497 lbf (28901 N)
1200 ft (366 m)	4518 lbf (20099 N)	1.0	5026 lbf (22358 N)	2.4	5468 lbf (24323 N)	3.3	6733 lbf (29948 N)
1250 ft (381 m)	4707 lbf (20936 N)	1.0	5223 lbf (23231 N)	2.4	5673 lbf (25234 N)	3.3	6966 lbf (30988 N)
1300 ft (396 m)	4895 lbf (21773 N)	1.0	5418 lbf (24102 N)	2.4	5877 lbf (26142 N)	3.4	7199 lbf (32022 N)
1350 ft (411 m)	5083 lbf (22611 N)	1.0	5614 lbf (24972 N)	2.4	6081 lbf (27048 N)	3.4	7430 lbf (33051 N)
1400 ft (427 m)	5271 lbf (23448 N)	1.0	5809 lbf (25841 N)	2.4	6284 lbf (27951 N)	3.4	7660 lbf (34075 N)
1450 ft (442 m)	5460 lbf (24286 N)	1.0	6004 lbf (26709 N)	2.4	6486 lbf (28853 N)	3.4	7890 lbf (35095 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code 4 cables

73-96 Fibers

Code B MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	99 lbf (439 N)	0.6	172 lbf (764 N)	1.7	224 lbf (995 N)	2.1	345 lbf (1535 N)
100 ft (30 m)	197 lbf (878 N)	0.7	331 lbf (1471 N)	1.8	422 lbf (1879 N)	2.3	631 lbf (2808 N)
150 ft (46 m)	296 lbf (1317 N)	0.7	481 lbf (2141 N)	1.9	606 lbf (2697 N)	2.4	888 lbf (3951 N)
200 ft (61 m)	395 lbf (1756 N)	0.7	625 lbf (2782 N)	2.0	780 lbf (3470 N)	2.6	1126 lbf (5010 N)
250 ft (76 m)	493 lbf (2195 N)	0.7	765 lbf (3403 N)	2.0	946 lbf (4210 N)	2.7	1351 lbf (6010 N)
300 ft (91 m)	592 lbf (2633 N)	0.7	901 lbf (4007 N)	2.1	1107 lbf (4923 N)	2.8	1566 lbf (6964 N)
350 ft (107 m)	691 lbf (3072 N)	0.7	1034 lbf (4598 N)	2.1	1262 lbf (5615 N)	2.9	1772 lbf (7882 N)
400 ft (122 m)	789 lbf (3511 N)	0.7	1164 lbf (5177 N)	2.2	1414 lbf (6289 N)	2.9	1972 lbf (8771 N)
450 ft (137 m)	888 lbf (3950 N)	0.8	1292 lbf (5747 N)	2.2	1562 lbf (6949 N)	3.0	2166 lbf (9635 N)
500 ft (152 m)	987 lbf (4389 N)	0.8	1418 lbf (6307 N)	2.3	1708 lbf (7596 N)	3.1	2355 lbf (10476 N)
550 ft (168 m)	1085 lbf (4828 N)	0.8	1542 lbf (6861 N)	2.3	1850 lbf (8231 N)	3.1	2540 lbf (11300 N)
600 ft (183 m)	1184 lbf (5267 N)	0.8	1665 lbf (7408 N)	2.3	1991 lbf (8856 N)	3.2	2722 lbf (12106 N)
650 ft (198 m)	1283 lbf (5706 N)	0.8	1787 lbf (7949 N)	2.4	2130 lbf (9473 N)	3.2	2900 lbf (12898 N)
700 ft (213 m)	1381 lbf (6145 N)	0.8	1908 lbf (8485 N)	2.4	2266 lbf (10082 N)	3.3	3075 lbf (13677 N)
750 ft (229 m)	1480 lbf (6584 N)	0.8	2027 lbf (9017 N)	2.4	2402 lbf (10683 N)	3.3	3247 lbf (14444 N)
800 ft (244 m)	1579 lbf (7023 N)	0.8	2146 lbf (9544 N)	2.4	2535 lbf (11278 N)	3.4	3417 lbf (15199 N)
850 ft (259 m)	1677 lbf (7462 N)	0.8	2263 lbf (10067 N)	2.5	2668 lbf (11867 N)	3.4	3585 lbf (15945 N)
900 ft (274 m)	1776 lbf (7900 N)	0.8	2380 lbf (10586 N)	2.5	2799 lbf (12450 N)	3.5	3750 lbf (16682 N)
950 ft (290 m)	1875 lbf (8339 N)	0.8	2496 lbf (11103 N)	2.5	2929 lbf (13028 N)	3.5	3914 lbf (17410 N)
1000 ft (305 m)	1973 lbf (8778 N)	0.8	2611 lbf (11616 N)	2.5	3058 lbf (13602 N)	3.6	4076 lbf (18130 N)
1050 ft (320 m)	2072 lbf (9217 N)	0.8	2726 lbf (12126 N)	2.5	3186 lbf (14171 N)	3.6	4236 lbf (18842 N)
1100 ft (335 m)	2171 lbf (9656 N)	0.8	2840 lbf (12634 N)	2.6	3313 lbf (14736 N)	3.6	4395 lbf (19548 N)
1150 ft (351 m)	2269 lbf (10095 N)	0.8	2954 lbf (13139 N)	2.6	3439 lbf (15297 N)	3.7	4552 lbf (20248 N)
1200 ft (366 m)	2368 lbf (10534 N)	0.8	3067 lbf (13642 N)	2.6	3564 lbf (15855 N)	3.7	4708 lbf (20941 N)
1250 ft (381 m)	2467 lbf (10973 N)	0.9	3180 lbf (14143 N)	2.6	3689 lbf (16409 N)	3.7	4862 lbf (21628 N)
1300 ft (396 m)	2565 lbf (11412 N)	0.9	3292 lbf (14642 N)	2.6	3813 lbf (16960 N)	3.8	5016 lbf (22310 N)
1350 ft (411 m)	2664 lbf (11851 N)	0.9	3403 lbf (15139 N)	2.7	3936 lbf (17509 N)	3.8	5168 lbf (22987 N)
1400 ft (427 m)	2763 lbf (12290 N)	0.9	3515 lbf (15634 N)	2.7	4059 lbf (18054 N)	3.8	5319 lbf (23660 N)
1450 ft (442 m)	2861 lbf (12729 N)	0.9	3626 lbf (16128 N)	2.7	4181 lbf (18596 N)	3.9	5469 lbf (24327 N)
1500 ft (457 m)	2960 lbf (13167 N)	0.9	3736 lbf (16620 N)	2.7	4302 lbf (19136 N)	3.9	5618 lbf (24990 N)
1550 ft (472 m)	3059 lbf (13606 N)	0.9	3847 lbf (17110 N)	2.7	4423 lbf (19674 N)	3.9	5766 lbf (25649 N)
1600 ft (488 m)	3157 lbf (14045 N)	0.9	3956 lbf (17599 N)	2.7	4543 lbf (20209 N)	3.9	5913 lbf (26304 N)
1650 ft (503 m)	3256 lbf (14484 N)	0.9	4066 lbf (18087 N)	2.7	4663 lbf (20742 N)		
1700 ft (518 m)	3355 lbf (14923 N)	0.9	4175 lbf (18573 N)	2.8	4782 lbf (21274 N)		
1750 ft (533 m)	3454 lbf (15362 N)	0.9	4285 lbf (19058 N)	2.8	4901 lbf (21803 N)		
1800 ft (549 m)	3552 lbf (15801 N)	0.9	4393 lbf (19542 N)	2.8	5020 lbf (22330 N)		
1850 ft (564 m)	3651 lbf (16240 N)	0.9	4502 lbf (20025 N)	2.8	5138 lbf (22855 N)		
1900 ft (579 m)	3750 lbf (16679 N)	0.9	4610 lbf (20507 N)	2.8	5256 lbf (23379 N)		
1950 ft (594 m)	3848 lbf (17118 N)	0.9	4718 lbf (20988 N)	2.8	5373 lbf (23900 N)		
2000 ft (610 m)	3947 lbf (17557 N)	0.9	4826 lbf (21468 N)	2.8	5490 lbf (24421 N)		
2050 ft (625 m)	4046 lbf (17995 N)	0.9	4934 lbf (21947 N)	2.8	5607 lbf (24939 N)		
2100 ft (640 m)	4144 lbf (18434 N)	0.9	5041 lbf (22425 N)	2.8	5723 lbf (25456 N)		
2150 ft (655 m)	4243 lbf (18873 N)	0.9	5149 lbf (22902 N)	2.9	5839 lbf (25972 N)		
2200 ft (671 m)	4342 lbf (19312 N)	0.9	5256 lbf (23378 N)	2.9	5954 lbf (26487 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code A cables

145-216 Fibers

Code B MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	146 lbf (652 N)	0.7	213 lbf (945 N)	1.8	263 lbf (1168 N)	2.1	398 lbf (1772 N)
100 ft (30 m)	293 lbf (1303 N)	0.8	415 lbf (1844 N)	1.9	505 lbf (2246 N)	2.3	743 lbf (3305 N)
150 ft (46 m)	439 lbf (1955 N)	0.8	609 lbf (2710 N)	1.9	734 lbf (3263 N)	2.4	1058 lbf (4705 N)
200 ft (61 m)	586 lbf (2607 N)	0.8	798 lbf (3550 N)	2.0	953 lbf (4238 N)	2.5	1353 lbf (6016 N)
250 ft (76 m)	732 lbf (3258 N)	0.8	983 lbf (4371 N)	2.0	1164 lbf (5179 N)	2.6	1633 lbf (7263 N)
300 ft (91 m)	879 lbf (3910 N)	0.8	1164 lbf (5176 N)	2.1	1370 lbf (6095 N)	2.6	1902 lbf (8461 N)
350 ft (107 m)	1025 lbf (4561 N)	0.8	1342 lbf (5968 N)	2.1	1571 lbf (6989 N)	2.7	2162 lbf (9617 N)
400 ft (122 m)	1172 lbf (5213 N)	0.8	1517 lbf (6749 N)	2.1	1768 lbf (7865 N)	2.8	2415 lbf (10741 N)
450 ft (137 m)	1318 lbf (5865 N)	0.8	1691 lbf (7520 N)	2.2	1962 lbf (8726 N)	2.8	2661 lbf (11837 N)
500 ft (152 m)	1465 lbf (6516 N)	0.8	1862 lbf (8283 N)	2.2	2152 lbf (9574 N)	2.9	2902 lbf (12908 N)
550 ft (168 m)	1611 lbf (7168 N)	0.9	2032 lbf (9039 N)	2.2	2340 lbf (10410 N)	2.9	3138 lbf (13959 N)
600 ft (183 m)	1758 lbf (7820 N)	0.9	2200 lbf (9788 N)	2.2	2526 lbf (11236 N)	3.0	3370 lbf (14990 N)
650 ft (198 m)	1904 lbf (8471 N)	0.9	2368 lbf (10532 N)	2.3	2710 lbf (12052 N)	3.0	3598 lbf (16005 N)
700 ft (213 m)	2051 lbf (9123 N)	0.9	2534 lbf (11270 N)	2.3	2891 lbf (12861 N)	3.1	3823 lbf (17005 N)
750 ft (229 m)	2197 lbf (9775 N)	0.9	2699 lbf (12004 N)	2.3	3071 lbf (13662 N)	3.1	4045 lbf (17992 N)
800 ft (244 m)	2344 lbf (10426 N)	0.9	2863 lbf (12733 N)	2.3	3250 lbf (14456 N)	3.2	4264 lbf (18966 N)
850 ft (259 m)	2490 lbf (11078 N)	0.9	3026 lbf (13459 N)	2.3	3427 lbf (15244 N)	3.2	4480 lbf (19929 N)
900 ft (274 m)	2637 lbf (11730 N)	0.9	3188 lbf (14182 N)	2.4	3603 lbf (16027 N)	3.2	4694 lbf (20881 N)
950 ft (290 m)	2783 lbf (12381 N)	0.9	3350 lbf (14901 N)	2.4	3778 lbf (16804 N)	3.3	4906 lbf (21824 N)
1000 ft (305 m)	2930 lbf (13033 N)	0.9	3511 lbf (15617 N)	2.4	3951 lbf (17576 N)	3.3	5116 lbf (22758 N)
1050 ft (320 m)	3076 lbf (13684 N)	0.9	3671 lbf (16330 N)	2.4	4124 lbf (18344 N)	3.3	5324 lbf (23684 N)
1100 ft (335 m)	3223 lbf (14336 N)	0.9	3831 lbf (17041 N)	2.4	4296 lbf (19108 N)	3.4	5531 lbf (24602 N)
1150 ft (351 m)	3369 lbf (14988 N)	0.9	3990 lbf (17750 N)	2.4	4467 lbf (19868 N)	3.4	5735 lbf (25513 N)
1200 ft (366 m)	3516 lbf (15639 N)	0.9	4149 lbf (18456 N)	2.4	4637 lbf (20624 N)	3.4	5939 lbf (26416 N)
1250 ft (381 m)	3662 lbf (16291 N)	0.9	4307 lbf (19161 N)	2.5	4806 lbf (21377 N)	3.4	6140 lbf (27314 N)
1300 ft (396 m)	3809 lbf (16943 N)	0.9	4465 lbf (19863 N)	2.5	4974 lbf (22127 N)	3.5	6341 lbf (28205 N)
1350 ft (411 m)	3955 lbf (17594 N)	0.9	4623 lbf (20564 N)	2.5	5142 lbf (22874 N)	3.5	6540 lbf (29091 N)
1400 ft (427 m)	4102 lbf (18246 N)	0.9	4780 lbf (21263 N)	2.5	5309 lbf (23618 N)	3.5	6738 lbf (29971 N)
1450 ft (442 m)	4248 lbf (18898 N)	0.9	4937 lbf (21960 N)	2.5	5476 lbf (24359 N)	3.5	6935 lbf (30846 N)
1500 ft (457 m)	4395 lbf (19549 N)	0.9	5093 lbf (22656 N)	2.5	5642 lbf (25097 N)	3.6	7130 lbf (31716 N)
1550 ft (472 m)	4541 lbf (20201 N)	0.9	5249 lbf (23351 N)	2.5	5808 lbf (25834 N)	3.6	7325 lbf (32582 N)
1600 ft (488 m)	4688 lbf (20852 N)	0.9	5405 lbf (24044 N)	2.5	5973 lbf (26568 N)	3.6	7518 lbf (33443 N)
1650 ft (503 m)	4834 lbf (21504 N)	0.9	5561 lbf (24736 N)	2.5	6137 lbf (27300 N)	3.6	7711 lbf (34300 N)
1700 ft (518 m)	4981 lbf (22156 N)	0.9	5716 lbf (25427 N)	2.6	6301 lbf (28029 N)	3.6	7903 lbf (35153 N)
1750 ft (533 m)	5127 lbf (22807 N)	0.9	5871 lbf (26117 N)	2.6	6465 lbf (28757 N)	3.7	8094 lbf (36002 N)
1800 ft (549 m)	5274 lbf (23459 N)	0.9	6026 lbf (26805 N)	2.6	6628 lbf (29483 N)	3.7	8284 lbf (36847 N)
1850 ft (564 m)	5420 lbf (24111 N)	0.9	6181 lbf (27493 N)	2.6	6791 lbf (30207 N)	3.7	8473 lbf (37689 N)
1900 ft (579 m)	5567 lbf (24762 N)	0.9	6335 lbf (28179 N)	2.6	6953 lbf (30930 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code A cables

12-72 Fibers

Code C MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	87 lbf (387 N)	0.6	161 lbf (718 N)	1.7	215 lbf (955 N)	2.0	337 lbf (1500 N)
100 ft (30 m)	174 lbf (774 N)	0.6	312 lbf (1389 N)	1.8	408 lbf (1815 N)	2.2	622 lbf (2768 N)
150 ft (46 m)	261 lbf (1160 N)	0.6	456 lbf (2026 N)	1.9	588 lbf (2615 N)	2.4	879 lbf (3912 N)
200 ft (61 m)	348 lbf (1547 N)	0.6	593 lbf (2639 N)	1.9	758 lbf (3372 N)	2.5	1118 lbf (4974 N)
250 ft (76 m)	435 lbf (1934 N)	0.7	726 lbf (3231 N)	2.0	921 lbf (4097 N)	2.6	1344 lbf (5977 N)
300 ft (91 m)	522 lbf (2321 N)	0.7	856 lbf (3808 N)	2.0	1078 lbf (4795 N)	2.7	1559 lbf (6933 N)
350 ft (107 m)	609 lbf (2707 N)	0.7	982 lbf (4370 N)	2.1	1230 lbf (5471 N)	2.7	1765 lbf (7853 N)
400 ft (122 m)	696 lbf (3094 N)	0.7	1107 lbf (4922 N)	2.1	1378 lbf (6130 N)	2.8	1965 lbf (8742 N)
450 ft (137 m)	783 lbf (3481 N)	0.7	1228 lbf (5463 N)	2.2	1523 lbf (6774 N)	2.9	2159 lbf (9605 N)
500 ft (152 m)	869 lbf (3868 N)	0.7	1348 lbf (5996 N)	2.2	1664 lbf (7404 N)	3.0	2348 lbf (10445 N)
550 ft (168 m)	956 lbf (4254 N)	0.7	1466 lbf (6521 N)	2.2	1803 lbf (8022 N)	3.0	2533 lbf (11266 N)
600 ft (183 m)	1043 lbf (4641 N)	0.7	1582 lbf (7039 N)	2.3	1940 lbf (8630 N)	3.1	2713 lbf (12070 N)
650 ft (198 m)	1130 lbf (5028 N)	0.7	1697 lbf (7551 N)	2.3	2075 lbf (9228 N)	3.1	2891 lbf (12858 N)
700 ft (213 m)	1217 lbf (5415 N)	0.7	1811 lbf (8057 N)	2.3	2207 lbf (9818 N)	3.2	3065 lbf (13633 N)
750 ft (229 m)	1304 lbf (5802 N)	0.7	1924 lbf (8558 N)	2.3	2338 lbf (10400 N)	3.2	3236 lbf (14394 N)
800 ft (244 m)	1391 lbf (6188 N)	0.8	2036 lbf (9055 N)	2.4	2467 lbf (10976 N)	3.3	3405 lbf (15144 N)
850 ft (259 m)	1478 lbf (6575 N)	0.8	2146 lbf (9547 N)	2.4	2595 lbf (11544 N)	3.3	3571 lbf (15884 N)
900 ft (274 m)	1565 lbf (6962 N)	0.8	2256 lbf (10036 N)	2.4	2722 lbf (12107 N)	3.4	3735 lbf (16614 N)
950 ft (290 m)	1652 lbf (7349 N)	0.8	2365 lbf (10521 N)	2.4	2847 lbf (12664 N)	3.4	3897 lbf (17334 N)
1000 ft (305 m)	1739 lbf (7735 N)	0.8	2473 lbf (11002 N)	2.5	2971 lbf (13216 N)	3.4	4057 lbf (18046 N)
1050 ft (320 m)	1826 lbf (8122 N)	0.8	2581 lbf (11480 N)	2.5	3094 lbf (13763 N)	3.5	4215 lbf (18751 N)
1100 ft (335 m)	1913 lbf (8509 N)	0.8	2688 lbf (11955 N)	2.5	3216 lbf (14306 N)	3.5	4372 lbf (19448 N)
1150 ft (351 m)	2000 lbf (8896 N)	0.8	2794 lbf (12428 N)	2.5	3337 lbf (14845 N)	3.5	4527 lbf (20138 N)
1200 ft (366 m)	2087 lbf (9283 N)	0.8	2900 lbf (12898 N)	2.5	3457 lbf (15379 N)	3.6	4681 lbf (20821 N)
1250 ft (381 m)	2174 lbf (9669 N)	0.8	3005 lbf (13365 N)	2.6	3577 lbf (15910 N)	3.6	4833 lbf (21499 N)
1300 ft (396 m)	2261 lbf (10056 N)	0.8	3109 lbf (13830 N)	2.6	3695 lbf (16437 N)	3.6	4984 lbf (22170 N)
1350 ft (411 m)	2348 lbf (10443 N)	0.8	3213 lbf (14293 N)	2.6	3813 lbf (16961 N)	3.7	5134 lbf (22836 N)
1400 ft (427 m)	2435 lbf (10830 N)	0.8	3317 lbf (14754 N)	2.6	3930 lbf (17482 N)	3.7	5282 lbf (23497 N)
1450 ft (442 m)	2522 lbf (11216 N)	0.8	3420 lbf (15213 N)	2.6	4046 lbf (18000 N)	3.7	5430 lbf (24153 N)
1500 ft (457 m)	2608 lbf (11603 N)	0.8	3523 lbf (15670 N)	2.6	4162 lbf (18514 N)	3.8	5576 lbf (24804 N)
1550 ft (472 m)	2695 lbf (11990 N)	0.8	3625 lbf (16125 N)	2.7	4277 lbf (19026 N)	3.8	5721 lbf (25450 N)
1600 ft (488 m)	2782 lbf (12377 N)	0.8	3727 lbf (16579 N)	2.7	4392 lbf (19536 N)	3.8	5866 lbf (26092 N)
1650 ft (503 m)	2869 lbf (12763 N)	0.8	3829 lbf (17031 N)	2.7	4506 lbf (20043 N)	3.8	6009 lbf (26730 N)
1700 ft (518 m)	2956 lbf (13150 N)	0.8	3930 lbf (17481 N)	2.7	4619 lbf (20548 N)	3.9	6152 lbf (27364 N)
1750 ft (533 m)	3043 lbf (13537 N)	0.8	4031 lbf (17930 N)	2.7	4732 lbf (21050 N)	3.9	6293 lbf (27994 N)
1800 ft (549 m)	3130 lbf (13924 N)	0.8	4132 lbf (18378 N)	2.7	4845 lbf (21550 N)	3.9	6434 lbf (28621 N)
1850 ft (564 m)	3217 lbf (14311 N)	0.8	4232 lbf (18824 N)	2.7	4957 lbf (22048 N)	3.9	6574 lbf (29244 N)
1900 ft (579 m)	3304 lbf (14697 N)	0.8	4332 lbf (19269 N)	2.7	5068 lbf (22544 N)	4.0	6714 lbf (29864 N)
1950 ft (594 m)	3391 lbf (15084 N)	0.8	4432 lbf (19713 N)	2.8	5179 lbf (23038 N)	4.0	6852 lbf (30480 N)
2000 ft (610 m)	3478 lbf (15471 N)	0.8	4531 lbf (20156 N)	2.8	5290 lbf (23530 N)	4.0	6990 lbf (31093 N)
2050 ft (625 m)	3565 lbf (15858 N)	0.9	4630 lbf (20597 N)	2.8	5400 lbf (24021 N)	4.0	7127 lbf (31704 N)
2100 ft (640 m)	3652 lbf (16244 N)	0.9	4729 lbf (21038 N)	2.8	5510 lbf (24509 N)	4.1	7264 lbf (32311 N)
2150 ft (655 m)	3739 lbf (16631 N)	0.9	4828 lbf (21477 N)	2.8	5619 lbf (24996 N)		
2200 ft (671 m)	3826 lbf (17018 N)	0.9	4927 lbf (21915 N)	2.8	5729 lbf (25482 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code B cables

73-96 Fibers

Code C MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	100 lbf (446 N)	0.6	173 lbf (769 N)	1.7	225 lbf (1002 N)	2.1	350 lbf (1558 N)
100 ft (30 m)	200 lbf (892 N)	0.7	335 lbf (1490 N)	1.8	429 lbf (1908 N)	2.2	647 lbf (2878 N)
150 ft (46 m)	301 lbf (1337 N)	0.7	489 lbf (2176 N)	1.9	619 lbf (2752 N)	2.4	915 lbf (4070 N)
200 ft (61 m)	401 lbf (1783 N)	0.7	638 lbf (2836 N)	1.9	799 lbf (3553 N)	2.5	1164 lbf (5179 N)
250 ft (76 m)	501 lbf (2229 N)	0.7	782 lbf (3477 N)	2.0	971 lbf (4320 N)	2.6	1400 lbf (6227 N)
300 ft (91 m)	601 lbf (2675 N)	0.7	922 lbf (4101 N)	2.0	1138 lbf (5061 N)	2.7	1625 lbf (7228 N)
350 ft (107 m)	702 lbf (3120 N)	0.7	1059 lbf (4711 N)	2.1	1300 lbf (5781 N)	2.8	1842 lbf (8192 N)
400 ft (122 m)	802 lbf (3566 N)	0.7	1194 lbf (5310 N)	2.1	1457 lbf (6483 N)	2.8	2051 lbf (9124 N)
450 ft (137 m)	902 lbf (4012 N)	0.7	1326 lbf (5899 N)	2.2	1612 lbf (7169 N)	2.9	2255 lbf (10031 N)
500 ft (152 m)	1002 lbf (4458 N)	0.8	1457 lbf (6479 N)	2.2	1763 lbf (7842 N)	3.0	2454 lbf (10914 N)
550 ft (168 m)	1102 lbf (4904 N)	0.8	1585 lbf (7052 N)	2.2	1912 lbf (8503 N)	3.0	2648 lbf (11778 N)
600 ft (183 m)	1203 lbf (5349 N)	0.8	1713 lbf (7618 N)	2.3	2058 lbf (9154 N)	3.1	2838 lbf (12625 N)
650 ft (198 m)	1303 lbf (5795 N)	0.8	1838 lbf (8177 N)	2.3	2202 lbf (9796 N)	3.1	3025 lbf (13456 N)
700 ft (213 m)	1403 lbf (6241 N)	0.8	1963 lbf (8732 N)	2.3	2345 lbf (10429 N)	3.2	3209 lbf (14273 N)
750 ft (229 m)	1503 lbf (6687 N)	0.8	2086 lbf (9281 N)	2.4	2485 lbf (11055 N)	3.2	3389 lbf (15077 N)
800 ft (244 m)	1603 lbf (7132 N)	0.8	2209 lbf (9826 N)	2.4	2624 lbf (11673 N)	3.3	3568 lbf (15869 N)
850 ft (259 m)	1704 lbf (7578 N)	0.8	2331 lbf (10367 N)	2.4	2762 lbf (12286 N)	3.3	3743 lbf (16651 N)
900 ft (274 m)	1804 lbf (8024 N)	0.8	2451 lbf (10903 N)	2.4	2898 lbf (12892 N)	3.4	3917 lbf (17423 N)
950 ft (290 m)	1904 lbf (8470 N)	0.8	2571 lbf (11437 N)	2.4	3033 lbf (13493 N)	3.4	4088 lbf (18186 N)
1000 ft (305 m)	2004 lbf (8916 N)	0.8	2690 lbf (11967 N)	2.5	3167 lbf (14089 N)	3.4	4258 lbf (18940 N)
1050 ft (320 m)	2105 lbf (9361 N)	0.8	2809 lbf (12494 N)	2.5	3300 lbf (14680 N)	3.5	4426 lbf (19687 N)
1100 ft (335 m)	2205 lbf (9807 N)	0.8	2927 lbf (13018 N)	2.5	3432 lbf (15267 N)	3.5	4592 lbf (20426 N)
1150 ft (351 m)	2305 lbf (10253 N)	0.8	3044 lbf (13539 N)	2.5	3563 lbf (15849 N)	3.5	4757 lbf (21158 N)
1200 ft (366 m)	2405 lbf (10699 N)	0.8	3160 lbf (14058 N)	2.5	3693 lbf (16428 N)	3.6	4920 lbf (21884 N)
1250 ft (381 m)	2505 lbf (11144 N)	0.8	3277 lbf (14575 N)	2.6	3823 lbf (17004 N)	3.6	5081 lbf (22603 N)
1300 ft (396 m)	2606 lbf (11590 N)	0.8	3392 lbf (15089 N)	2.6	3951 lbf (17575 N)	3.6	5242 lbf (23317 N)
1350 ft (411 m)	2706 lbf (12036 N)	0.8	3507 lbf (15602 N)	2.6	4079 lbf (18144 N)	3.7	5401 lbf (24025 N)
1400 ft (427 m)	2806 lbf (12482 N)	0.9	3622 lbf (16112 N)	2.6	4206 lbf (18709 N)	3.7	5559 lbf (24728 N)
1450 ft (442 m)	2906 lbf (12927 N)	0.9	3737 lbf (16621 N)	2.6	4332 lbf (19272 N)	3.7	5716 lbf (25426 N)
1500 ft (457 m)	3006 lbf (13373 N)	0.9	3850 lbf (17128 N)	2.6	4458 lbf (19832 N)	3.7	5872 lbf (26119 N)
1550 ft (472 m)	3107 lbf (13819 N)	0.9	3964 lbf (17633 N)	2.6	4584 lbf (20389 N)	3.8	6027 lbf (26808 N)
1600 ft (488 m)	3207 lbf (14265 N)	0.9	4077 lbf (18137 N)	2.7	4708 lbf (20943 N)	3.8	6180 lbf (27492 N)
1650 ft (503 m)	3307 lbf (14711 N)	0.9	4190 lbf (18639 N)	2.7	4832 lbf (21496 N)	3.8	6333 lbf (28172 N)
1700 ft (518 m)	3407 lbf (15156 N)	0.9	4303 lbf (19139 N)	2.7	4956 lbf (22045 N)	3.8	6485 lbf (28849 N)
1750 ft (533 m)	3508 lbf (15602 N)	0.9	4415 lbf (19639 N)	2.7	5079 lbf (22593 N)	3.9	6637 lbf (29521 N)
1800 ft (549 m)	3608 lbf (16048 N)	0.9	4527 lbf (20137 N)	2.7	5202 lbf (23139 N)	3.9	6787 lbf (30190 N)
1850 ft (564 m)	3708 lbf (16494 N)	0.9	4639 lbf (20634 N)	2.7	5324 lbf (23683 N)	3.9	6937 lbf (30855 N)
1900 ft (579 m)	3808 lbf (16939 N)	0.9	4750 lbf (21129 N)	2.7	5446 lbf (24224 N)	3.9	7085 lbf (31517 N)
1950 ft (594 m)	3908 lbf (17385 N)	0.9	4861 lbf (21624 N)	2.7	5567 lbf (24764 N)	4.0	7233 lbf (32176 N)
2000 ft (610 m)	4009 lbf (17831 N)	0.9	4972 lbf (22117 N)	2.7	5688 lbf (25302 N)		
2050 ft (625 m)	4109 lbf (18277 N)	0.9	5083 lbf (22610 N)	2.8	5809 lbf (25839 N)		
2100 ft (640 m)	4209 lbf (18723 N)	0.9	5193 lbf (23101 N)	2.8	5929 lbf (26373 N)		
2150 ft (655 m)	4309 lbf (19168 N)	0.9	5304 lbf (23591 N)	2.8	6049 lbf (26907 N)		
2200 ft (671 m)	4409 lbf (19614 N)	0.9	5414 lbf (24081 N)	2.8	6168 lbf (27438 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code A cables

97-144 Fibers

Code C MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	141 lbf (629 N)	0.7	215 lbf (956 N)	1.7	268 lbf (1193 N)	2.0	402 lbf (1788 N)
100 ft (30 m)	283 lbf (1258 N)	0.7	414 lbf (1844 N)	1.8	507 lbf (2256 N)	2.2	735 lbf (3270 N)
150 ft (46 m)	424 lbf (1886 N)	0.8	604 lbf (2688 N)	1.9	730 lbf (3246 N)	2.4	1035 lbf (4605 N)
200 ft (61 m)	565 lbf (2515 N)	0.8	787 lbf (3502 N)	1.9	941 lbf (4186 N)	2.5	1314 lbf (5847 N)
250 ft (76 m)	707 lbf (3144 N)	0.8	965 lbf (4294 N)	2.0	1144 lbf (5090 N)	2.6	1579 lbf (7024 N)
300 ft (91 m)	848 lbf (3773 N)	0.8	1139 lbf (5068 N)	2.0	1341 lbf (5967 N)	2.7	1832 lbf (8151 N)
350 ft (107 m)	989 lbf (4401 N)	0.8	1310 lbf (5827 N)	2.1	1533 lbf (6821 N)	2.8	2077 lbf (9239 N)
400 ft (122 m)	1131 lbf (5030 N)	0.8	1478 lbf (6575 N)	2.1	1721 lbf (7656 N)	2.8	2315 lbf (10296 N)
450 ft (137 m)	1272 lbf (5659 N)	0.8	1644 lbf (7313 N)	2.2	1906 lbf (8477 N)	2.9	2546 lbf (11325 N)
500 ft (152 m)	1413 lbf (6288 N)	0.8	1808 lbf (8043 N)	2.2	2087 lbf (9284 N)	3.0	2772 lbf (12331 N)
550 ft (168 m)	1555 lbf (6916 N)	0.9	1970 lbf (8765 N)	2.2	2266 lbf (10080 N)	3.0	2994 lbf (13317 N)
600 ft (183 m)	1696 lbf (7545 N)	0.9	2131 lbf (9481 N)	2.3	2443 lbf (10865 N)	3.1	3212 lbf (14286 N)
650 ft (198 m)	1838 lbf (8174 N)	0.9	2291 lbf (10192 N)	2.3	2617 lbf (11642 N)	3.1	3426 lbf (15239 N)
700 ft (213 m)	1979 lbf (8803 N)	0.9	2450 lbf (10897 N)	2.3	2790 lbf (12411 N)	3.2	3637 lbf (16178 N)
750 ft (229 m)	2120 lbf (9431 N)	0.9	2607 lbf (11598 N)	2.3	2961 lbf (13173 N)	3.2	3845 lbf (17105 N)
800 ft (244 m)	2262 lbf (10060 N)	0.9	2764 lbf (12295 N)	2.3	3131 lbf (13929 N)	3.2	4051 lbf (18020 N)
850 ft (259 m)	2403 lbf (10689 N)	0.9	2920 lbf (12988 N)	2.4	3300 lbf (14678 N)	3.3	4254 lbf (18924 N)
900 ft (274 m)	2544 lbf (11318 N)	0.9	3075 lbf (13678 N)	2.4	3467 lbf (15423 N)	3.3	4456 lbf (19819 N)
950 ft (290 m)	2686 lbf (11946 N)	0.9	3230 lbf (14366 N)	2.4	3633 lbf (16162 N)	3.4	4655 lbf (20706 N)
1000 ft (305 m)	2827 lbf (12575 N)	0.9	3383 lbf (15050 N)	2.4	3799 lbf (16897 N)	3.4	4852 lbf (21584 N)
1050 ft (320 m)	2968 lbf (13204 N)	0.9	3537 lbf (15732 N)	2.4	3963 lbf (17628 N)	3.4	5048 lbf (22454 N)
1100 ft (335 m)	3110 lbf (13833 N)	0.9	3689 lbf (16411 N)	2.4	4126 lbf (18355 N)	3.5	5242 lbf (23317 N)
1150 ft (351 m)	3251 lbf (14461 N)	0.9	3842 lbf (17089 N)	2.5	4289 lbf (19078 N)	3.5	5435 lbf (24174 N)
1200 ft (366 m)	3392 lbf (15090 N)	0.9	3994 lbf (17764 N)	2.5	4451 lbf (19798 N)	3.5	5626 lbf (25024 N)
1250 ft (381 m)	3534 lbf (15719 N)	0.9	4145 lbf (18438 N)	2.5	4612 lbf (20515 N)	3.5	5816 lbf (25869 N)
1300 ft (396 m)	3675 lbf (16348 N)	0.9	4296 lbf (19110 N)	2.5	4773 lbf (21229 N)	3.6	6004 lbf (26708 N)
1350 ft (411 m)	3816 lbf (16976 N)	0.9	4447 lbf (19780 N)	2.5	4932 lbf (21941 N)	3.6	6192 lbf (27542 N)
1400 ft (427 m)	3958 lbf (17605 N)	0.9	4597 lbf (20449 N)	2.5	5092 lbf (22649 N)	3.6	6378 lbf (28371 N)
1450 ft (442 m)	4099 lbf (18234 N)	0.9	4747 lbf (21116 N)	2.5	5251 lbf (23356 N)	3.6	6563 lbf (29195 N)
1500 ft (457 m)	4240 lbf (18863 N)	0.9	4897 lbf (21782 N)	2.6	5409 lbf (24060 N)	3.7	6748 lbf (30015 N)
1550 ft (472 m)	4382 lbf (19491 N)	0.9	5046 lbf (22447 N)	2.6	5567 lbf (24761 N)	3.7	6931 lbf (30831 N)
1600 ft (488 m)	4523 lbf (20120 N)	0.9	5195 lbf (23111 N)	2.6	5724 lbf (25461 N)		
1650 ft (503 m)	4665 lbf (20749 N)	0.9	5344 lbf (23773 N)	2.6	5881 lbf (26159 N)		
1700 ft (518 m)	4806 lbf (21378 N)	0.9	5493 lbf (24435 N)	2.6	6037 lbf (26855 N)		
1750 ft (533 m)	4947 lbf (22006 N)	0.9	5642 lbf (25095 N)	2.6	6193 lbf (27550 N)		
1800 ft (549 m)	5089 lbf (22635 N)	1.0	5790 lbf (25755 N)	2.6	6349 lbf (28242 N)		
1850 ft (564 m)	5230 lbf (23264 N)	1.0	5938 lbf (26414 N)	2.6	6504 lbf (28933 N)		
1900 ft (579 m)	5371 lbf (23893 N)	1.0	6086 lbf (27072 N)	2.6	6659 lbf (29623 N)		

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code A cables

217-288 Fibers

Code C MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	191 lbf (851 N)	0.8	252 lbf (1120 N)	1.8	304 lbf (1353 N)	2.1	452 lbf (2009 N)
100 ft (30 m)	383 lbf (1702 N)	0.8	493 lbf (2192 N)	1.8	587 lbf (2610 N)	2.2	844 lbf (3753 N)
150 ft (46 m)	574 lbf (2553 N)	0.8	726 lbf (3231 N)	1.9	855 lbf (3803 N)	2.3	1203 lbf (5352 N)
200 ft (61 m)	765 lbf (3404 N)	0.9	954 lbf (4245 N)	1.9	1113 lbf (4952 N)	2.4	1541 lbf (6855 N)
250 ft (76 m)	957 lbf (4255 N)	0.9	1178 lbf (5240 N)	2.0	1364 lbf (6066 N)	2.5	1863 lbf (8289 N)
300 ft (91 m)	1148 lbf (5106 N)	0.9	1398 lbf (6220 N)	2.0	1608 lbf (7155 N)	2.6	2174 lbf (9670 N)
350 ft (107 m)	1339 lbf (5957 N)	0.9	1616 lbf (7187 N)	2.1	1848 lbf (8221 N)	2.6	2475 lbf (11008 N)
400 ft (122 m)	1531 lbf (6808 N)	0.9	1831 lbf (8143 N)	2.1	2084 lbf (9270 N)	2.7	2768 lbf (12311 N)
450 ft (137 m)	1722 lbf (7659 N)	0.9	2044 lbf (9091 N)	2.1	2316 lbf (10303 N)	2.7	3054 lbf (13584 N)
500 ft (152 m)	1913 lbf (8510 N)	0.9	2255 lbf (10031 N)	2.1	2546 lbf (11323 N)	2.8	3334 lbf (14832 N)
550 ft (168 m)	2105 lbf (9361 N)	0.9	2465 lbf (10964 N)	2.2	2772 lbf (12332 N)	2.8	3610 lbf (16058 N)
600 ft (183 m)	2296 lbf (10212 N)	0.9	2673 lbf (11892 N)	2.2	2997 lbf (13331 N)	2.9	3881 lbf (17264 N)
650 ft (198 m)	2487 lbf (11063 N)	0.9	2881 lbf (12814 N)	2.2	3220 lbf (14321 N)	2.9	4148 lbf (18453 N)
700 ft (213 m)	2678 lbf (11914 N)	0.9	3087 lbf (13732 N)	2.2	3440 lbf (15303 N)	3.0	4412 lbf (19627 N)
750 ft (229 m)	2870 lbf (12765 N)	0.9	3293 lbf (14646 N)	2.2	3660 lbf (16279 N)	3.0	4673 lbf (20786 N)
800 ft (244 m)	3061 lbf (13616 N)	0.9	3497 lbf (15556 N)	2.2	3877 lbf (17247 N)	3.0	4931 lbf (21933 N)
850 ft (259 m)	3252 lbf (14468 N)	0.9	3701 lbf (16463 N)	2.3	4094 lbf (18210 N)	3.1	5186 lbf (23069 N)
900 ft (274 m)	3444 lbf (15319 N)	0.9	3904 lbf (17367 N)	2.3	4309 lbf (19168 N)	3.1	5439 lbf (24193 N)
950 ft (290 m)	3635 lbf (16170 N)	0.9	4107 lbf (18269 N)	2.3	4523 lbf (20121 N)	3.1	5689 lbf (25308 N)
1000 ft (305 m)	3826 lbf (17021 N)	0.9	4309 lbf (19167 N)	2.3	4737 lbf (21069 N)	3.1	5938 lbf (26414 N)
1050 ft (320 m)	4018 lbf (17872 N)	1.0	4511 lbf (20064 N)	2.3	4949 lbf (22013 N)	3.2	6185 lbf (27511 N)
1100 ft (335 m)	4209 lbf (18723 N)	1.0	4712 lbf (20959 N)	2.3	5160 lbf (22954 N)	3.2	6430 lbf (28601 N)
1150 ft (351 m)	4400 lbf (19574 N)	1.0	4912 lbf (21851 N)	2.3	5371 lbf (23891 N)	3.2	6673 lbf (29683 N)
1200 ft (366 m)	4592 lbf (20425 N)	1.0	5113 lbf (22742 N)	2.3	5581 lbf (24824 N)	3.2	6915 lbf (30758 N)
1250 ft (381 m)	4783 lbf (21276 N)	1.0	5312 lbf (23631 N)	2.3	5790 lbf (25755 N)	3.3	7155 lbf (31827 N)
1300 ft (396 m)	4974 lbf (22127 N)	1.0	5512 lbf (24518 N)	2.4	5998 lbf (26683 N)	3.3	7394 lbf (32890 N)
1350 ft (411 m)	5166 lbf (22978 N)	1.0	5711 lbf (25405 N)	2.4	6206 lbf (27608 N)	3.3	7632 lbf (33947 N)
1400 ft (427 m)	5357 lbf (23829 N)	1.0	5910 lbf (26289 N)	2.4	6414 lbf (28530 N)	3.3	7868 lbf (34999 N)
1450 ft (442 m)	5548 lbf (24680 N)	1.0	6109 lbf (27173 N)	2.4	6621 lbf (29451 N)	3.3	8103 lbf (36046 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code C cables

12-72 Fibers

Code E MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	89 lbf (395 N)	0.6	164 lbf (728 N)	1.7	217 lbf (965 N)	2.0	342 lbf (1522 N)
100 ft (30 m)	178 lbf (790 N)	0.6	318 lbf (1414 N)	1.8	415 lbf (1845 N)	2.2	637 lbf (2831 N)
150 ft (46 m)	266 lbf (1185 N)	0.6	465 lbf (2069 N)	1.8	600 lbf (2669 N)	2.3	904 lbf (4020 N)
200 ft (61 m)	355 lbf (1580 N)	0.6	607 lbf (2700 N)	1.9	776 lbf (3451 N)	2.4	1152 lbf (5126 N)
250 ft (76 m)	444 lbf (1975 N)	0.7	745 lbf (3312 N)	1.9	945 lbf (4202 N)	2.5	1388 lbf (6172 N)
300 ft (91 m)	533 lbf (2370 N)	0.7	879 lbf (3908 N)	2.0	1107 lbf (4926 N)	2.6	1612 lbf (7172 N)
350 ft (107 m)	622 lbf (2765 N)	0.7	1010 lbf (4491 N)	2.0	1265 lbf (5629 N)	2.7	1828 lbf (8133 N)
400 ft (122 m)	710 lbf (3160 N)	0.7	1138 lbf (5063 N)	2.1	1419 lbf (6313 N)	2.7	2037 lbf (9063 N)
450 ft (137 m)	799 lbf (3555 N)	0.7	1264 lbf (5624 N)	2.1	1570 lbf (6982 N)	2.8	2240 lbf (9965 N)
500 ft (152 m)	888 lbf (3950 N)	0.7	1388 lbf (6176 N)	2.1	1717 lbf (7638 N)	2.9	2438 lbf (10845 N)
550 ft (168 m)	977 lbf (4345 N)	0.7	1511 lbf (6721 N)	2.2	1862 lbf (8281 N)	2.9	2631 lbf (11704 N)
600 ft (183 m)	1065 lbf (4740 N)	0.7	1632 lbf (7258 N)	2.2	2004 lbf (8913 N)	3.0	2820 lbf (12545 N)
650 ft (198 m)	1154 lbf (5134 N)	0.7	1751 lbf (7790 N)	2.2	2144 lbf (9536 N)	3.0	3006 lbf (13370 N)
700 ft (213 m)	1243 lbf (5529 N)	0.7	1869 lbf (8315 N)	2.3	2282 lbf (10149 N)	3.1	3188 lbf (14180 N)
750 ft (229 m)	1332 lbf (5924 N)	0.7	1986 lbf (8835 N)	2.3	2418 lbf (10755 N)	3.1	3367 lbf (14977 N)
800 ft (244 m)	1421 lbf (6319 N)	0.7	2102 lbf (9350 N)	2.3	2552 lbf (11354 N)	3.2	3543 lbf (15762 N)
850 ft (259 m)	1509 lbf (6714 N)	0.8	2217 lbf (9861 N)	2.3	2685 lbf (11945 N)	3.2	3717 lbf (16535 N)
900 ft (274 m)	1598 lbf (7109 N)	0.8	2331 lbf (10368 N)	2.4	2817 lbf (12531 N)	3.3	3889 lbf (17299 N)
950 ft (290 m)	1687 lbf (7504 N)	0.8	2444 lbf (10871 N)	2.4	2947 lbf (13110 N)	3.3	4058 lbf (18052 N)
1000 ft (305 m)	1776 lbf (7899 N)	0.8	2556 lbf (11370 N)	2.4	3076 lbf (13685 N)	3.3	4226 lbf (18797 N)
1050 ft (320 m)	1865 lbf (8294 N)	0.8	2668 lbf (11866 N)	2.4	3204 lbf (14254 N)	3.4	4391 lbf (19534 N)
1100 ft (335 m)	1953 lbf (8689 N)	0.8	2778 lbf (12358 N)	2.4	3331 lbf (14818 N)	3.4	4555 lbf (20262 N)
1150 ft (351 m)	2042 lbf (9084 N)	0.8	2888 lbf (12848 N)	2.5	3457 lbf (15378 N)	3.4	4717 lbf (20984 N)
1200 ft (366 m)	2131 lbf (9479 N)	0.8	2998 lbf (13335 N)	2.5	3582 lbf (15934 N)	3.5	4878 lbf (21698 N)
1250 ft (381 m)	2220 lbf (9874 N)	0.8	3107 lbf (13820 N)	2.5	3706 lbf (16486 N)	3.5	5037 lbf (22406 N)
1300 ft (396 m)	2309 lbf (10269 N)	0.8	3215 lbf (14302 N)	2.5	3829 lbf (17034 N)	3.5	5195 lbf (23108 N)
1350 ft (411 m)	2397 lbf (10664 N)	0.8	3323 lbf (14781 N)	2.5	3952 lbf (17578 N)	3.6	5351 lbf (23804 N)
1400 ft (427 m)	2486 lbf (11059 N)	0.8	3430 lbf (15259 N)	2.5	4073 lbf (18119 N)	3.6	5507 lbf (24494 N)
1450 ft (442 m)	2575 lbf (11454 N)	0.8	3537 lbf (15734 N)	2.6	4194 lbf (18657 N)	3.6	5661 lbf (25179 N)
1500 ft (457 m)	2664 lbf (11849 N)	0.8	3644 lbf (16208 N)	2.6	4315 lbf (19192 N)	3.6	5813 lbf (25859 N)
1550 ft (472 m)	2753 lbf (12244 N)	0.8	3750 lbf (16679 N)	2.6	4434 lbf (19724 N)	3.7	5965 lbf (26535 N)
1600 ft (488 m)	2841 lbf (12639 N)	0.8	3855 lbf (17149 N)	2.6	4553 lbf (20253 N)	3.7	6116 lbf (27205 N)
1650 ft (503 m)	2930 lbf (13034 N)	0.8	3960 lbf (17617 N)	2.6	4672 lbf (20780 N)	3.7	6266 lbf (27871 N)
1700 ft (518 m)	3019 lbf (13429 N)	0.8	4065 lbf (18083 N)	2.6	4789 lbf (21304 N)	3.7	6415 lbf (28533 N)
1750 ft (533 m)	3108 lbf (13824 N)	0.8	4170 lbf (18548 N)	2.6	4907 lbf (21826 N)	3.8	6562 lbf (29191 N)
1800 ft (549 m)	3196 lbf (14219 N)	0.8	4274 lbf (19011 N)	2.7	5023 lbf (22345 N)	3.8	6710 lbf (29845 N)
1850 ft (564 m)	3285 lbf (14614 N)	0.8	4378 lbf (19473 N)	2.7	5140 lbf (22862 N)	3.8	6856 lbf (30496 N)
1900 ft (579 m)	3374 lbf (15008 N)	0.8	4481 lbf (19933 N)	2.7	5255 lbf (23377 N)	3.8	7001 lbf (31142 N)
1950 ft (594 m)	3463 lbf (15403 N)	0.8	4584 lbf (20392 N)	2.7	5371 lbf (23889 N)	3.9	7146 lbf (31786 N)
2000 ft (610 m)	3552 lbf (15798 N)	0.8	4687 lbf (20850 N)	2.7	5485 lbf (24400 N)	3.9	7290 lbf (32425 N)
2050 ft (625 m)	3640 lbf (16193 N)	0.8	4790 lbf (21306 N)	2.7	5600 lbf (24909 N)	3.9	7433 lbf (33062 N)
2100 ft (640 m)	3729 lbf (16588 N)	0.8	4892 lbf (21761 N)	2.7	5714 lbf (25416 N)	3.9	7575 lbf (33695 N)
2150 ft (655 m)	3818 lbf (16983 N)	0.8	4994 lbf (22216 N)	2.7	5827 lbf (25921 N)	3.9	7717 lbf (34326 N)
2200 ft (671 m)	3907 lbf (17378 N)	0.8	5096 lbf (22669 N)	2.7	5940 lbf (26424 N)	4.0	7858 lbf (34953 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code C cables

217-288 Fibers

Code E MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	195 lbf (865 N)	0.8	253 lbf (1127 N)	1.8	306 lbf (1361 N)	2.1	456 lbf (2027 N)
100 ft (30 m)	389 lbf (1731 N)	0.8	497 lbf (2212 N)	1.8	592 lbf (2633 N)	2.2	856 lbf (3806 N)
150 ft (46 m)	584 lbf (2596 N)	0.8	734 lbf (3266 N)	1.9	865 lbf (3847 N)	2.3	1224 lbf (5443 N)
200 ft (61 m)	778 lbf (3462 N)	0.9	966 lbf (4297 N)	1.9	1128 lbf (5018 N)	2.4	1571 lbf (6986 N)
250 ft (76 m)	973 lbf (4327 N)	0.9	1194 lbf (5309 N)	2.0	1384 lbf (6156 N)	2.5	1902 lbf (8460 N)
300 ft (91 m)	1167 lbf (5192 N)	0.9	1418 lbf (6307 N)	2.0	1634 lbf (7268 N)	2.5	2221 lbf (9879 N)
350 ft (107 m)	1362 lbf (6058 N)	0.9	1639 lbf (7292 N)	2.0	1879 lbf (8358 N)	2.6	2530 lbf (11255 N)
400 ft (122 m)	1556 lbf (6923 N)	0.9	1859 lbf (8267 N)	2.1	2120 lbf (9430 N)	2.6	2832 lbf (12595 N)
450 ft (137 m)	1751 lbf (7789 N)	0.9	2076 lbf (9234 N)	2.1	2357 lbf (10486 N)	2.7	3126 lbf (13905 N)
500 ft (152 m)	1945 lbf (8654 N)	0.9	2291 lbf (10192 N)	2.1	2592 lbf (11530 N)	2.7	3415 lbf (15189 N)
550 ft (168 m)	2140 lbf (9519 N)	0.9	2505 lbf (11144 N)	2.1	2824 lbf (12562 N)	2.8	3698 lbf (16449 N)
600 ft (183 m)	2335 lbf (10385 N)	0.9	2718 lbf (12090 N)	2.2	3054 lbf (13583 N)	2.8	3977 lbf (17690 N)
650 ft (198 m)	2529 lbf (11250 N)	0.9	2929 lbf (13031 N)	2.2	3281 lbf (14596 N)	2.9	4252 lbf (18913 N)
700 ft (213 m)	2724 lbf (12116 N)	0.9	3140 lbf (13967 N)	2.2	3507 lbf (15600 N)	2.9	4523 lbf (20120 N)
750 ft (229 m)	2918 lbf (12981 N)	0.9	3349 lbf (14899 N)	2.2	3731 lbf (16598 N)	2.9	4791 lbf (21312 N)
800 ft (244 m)	3113 lbf (13846 N)	0.9	3558 lbf (15828 N)	2.2	3954 lbf (17588 N)	3.0	5056 lbf (22491 N)
850 ft (259 m)	3307 lbf (14712 N)	0.9	3766 lbf (16753 N)	2.2	4175 lbf (18573 N)	3.0	5319 lbf (23658 N)
900 ft (274 m)	3502 lbf (15577 N)	0.9	3973 lbf (17675 N)	2.2	4395 lbf (19552 N)	3.0	5578 lbf (24814 N)
950 ft (290 m)	3696 lbf (16443 N)	0.9	4180 lbf (18594 N)	2.3	4614 lbf (20526 N)	3.1	5836 lbf (25960 N)
1000 ft (305 m)	3891 lbf (17308 N)	0.9	4386 lbf (19510 N)	2.3	4832 lbf (21495 N)	3.1	6091 lbf (27096 N)
1050 ft (320 m)	4086 lbf (18173 N)	0.9	4592 lbf (20424 N)	2.3	5049 lbf (22460 N)	3.1	6345 lbf (28223 N)
1100 ft (335 m)	4280 lbf (19039 N)	1.0	4797 lbf (21336 N)	2.3	5265 lbf (23422 N)	3.1	6596 lbf (29342 N)
1150 ft (351 m)	4475 lbf (19904 N)	1.0	5001 lbf (22246 N)	2.3	5481 lbf (24379 N)	3.2	6846 lbf (30454 N)
1200 ft (366 m)	4669 lbf (20770 N)	1.0	5205 lbf (23154 N)	2.3	5695 lbf (25333 N)	3.2	7095 lbf (31558 N)
1250 ft (381 m)	4864 lbf (21635 N)	1.0	5409 lbf (24060 N)	2.3	5909 lbf (26284 N)	3.2	7341 lbf (32656 N)
1300 ft (396 m)	5058 lbf (22500 N)	1.0	5612 lbf (24965 N)	2.3	6122 lbf (27232 N)	3.2	7587 lbf (33747 N)
1350 ft (411 m)	5253 lbf (23366 N)	1.0	5815 lbf (25868 N)	2.3	6334 lbf (28177 N)	3.2	7831 lbf (34833 N)
1400 ft (427 m)	5447 lbf (24231 N)	1.0	6018 lbf (26770 N)	2.3	6546 lbf (29119 N)	3.3	8073 lbf (35912 N)
1450 ft (442 m)	5642 lbf (25096 N)	1.0	6221 lbf (27671 N)	2.4	6757 lbf (30059 N)	3.3	8315 lbf (36986 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code C cables

73-96 Fibers

Code F MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	104 lbf (462 N)	0.6	176 lbf (784 N)	1.7	229 lbf (1017 N)	2.1	357 lbf (1587 N)
100 ft (30 m)	208 lbf (925 N)	0.7	343 lbf (1525 N)	1.8	438 lbf (1949 N)	2.2	664 lbf (2955 N)
150 ft (46 m)	312 lbf (1387 N)	0.7	502 lbf (2234 N)	1.9	634 lbf (2822 N)	2.3	944 lbf (4198 N)
200 ft (61 m)	416 lbf (1850 N)	0.7	656 lbf (2919 N)	1.9	821 lbf (3654 N)	2.4	1204 lbf (5357 N)
250 ft (76 m)	520 lbf (2312 N)	0.7	806 lbf (3584 N)	2.0	1001 lbf (4453 N)	2.5	1451 lbf (6455 N)
300 ft (91 m)	624 lbf (2775 N)	0.7	952 lbf (4234 N)	2.0	1175 lbf (5226 N)	2.6	1687 lbf (7505 N)
350 ft (107 m)	728 lbf (3237 N)	0.7	1095 lbf (4870 N)	2.1	1344 lbf (5977 N)	2.7	1915 lbf (8517 N)
400 ft (122 m)	832 lbf (3699 N)	0.7	1235 lbf (5494 N)	2.1	1509 lbf (6710 N)	2.8	2135 lbf (9496 N)
450 ft (137 m)	936 lbf (4162 N)	0.7	1373 lbf (6109 N)	2.1	1670 lbf (7428 N)	2.8	2349 lbf (10449 N)
500 ft (152 m)	1040 lbf (4624 N)	0.8	1510 lbf (6715 N)	2.2	1828 lbf (8132 N)	2.9	2558 lbf (11377 N)
550 ft (168 m)	1144 lbf (5087 N)	0.8	1644 lbf (7313 N)	2.2	1984 lbf (8824 N)	2.9	2762 lbf (12285 N)
600 ft (183 m)	1247 lbf (5549 N)	0.8	1777 lbf (7904 N)	2.2	2137 lbf (9505 N)	3.0	2962 lbf (13175 N)
650 ft (198 m)	1351 lbf (6011 N)	0.8	1908 lbf (8489 N)	2.3	2288 lbf (10176 N)	3.0	3158 lbf (14048 N)
700 ft (213 m)	1455 lbf (6474 N)	0.8	2039 lbf (9068 N)	2.3	2437 lbf (10839 N)	3.1	3351 lbf (14907 N)
750 ft (229 m)	1559 lbf (6936 N)	0.8	2168 lbf (9642 N)	2.3	2584 lbf (11494 N)	3.1	3541 lbf (15752 N)
800 ft (244 m)	1663 lbf (7399 N)	0.8	2296 lbf (10212 N)	2.3	2730 lbf (12141 N)	3.2	3728 lbf (16585 N)
850 ft (259 m)	1767 lbf (7861 N)	0.8	2423 lbf (10777 N)	2.3	2874 lbf (12782 N)	3.2	3913 lbf (17407 N)
900 ft (274 m)	1871 lbf (8324 N)	0.8	2549 lbf (11338 N)	2.4	3016 lbf (13417 N)	3.2	4096 lbf (18218 N)
950 ft (290 m)	1975 lbf (8786 N)	0.8	2674 lbf (11895 N)	2.4	3158 lbf (14046 N)	3.3	4276 lbf (19020 N)
1000 ft (305 m)	2079 lbf (9248 N)	0.8	2799 lbf (12449 N)	2.4	3298 lbf (14670 N)	3.3	4454 lbf (19812 N)
1050 ft (320 m)	2183 lbf (9711 N)	0.8	2922 lbf (13000 N)	2.4	3437 lbf (15289 N)	3.4	4630 lbf (20597 N)
1100 ft (335 m)	2287 lbf (10173 N)	0.8	3046 lbf (13547 N)	2.4	3575 lbf (15903 N)	3.4	4805 lbf (21373 N)
1150 ft (351 m)	2391 lbf (10636 N)	0.8	3168 lbf (14092 N)	2.5	3712 lbf (16513 N)	3.4	4978 lbf (22143 N)
1200 ft (366 m)	2495 lbf (11098 N)	0.8	3290 lbf (14635 N)	2.5	3849 lbf (17119 N)	3.5	5149 lbf (22905 N)
1250 ft (381 m)	2599 lbf (11561 N)	0.8	3411 lbf (15175 N)	2.5	3984 lbf (17721 N)	3.5	5319 lbf (23661 N)
1300 ft (396 m)	2703 lbf (12023 N)	0.8	3532 lbf (15712 N)	2.5	4118 lbf (18320 N)	3.5	5488 lbf (24410 N)
1350 ft (411 m)	2807 lbf (12485 N)	0.8	3653 lbf (16247 N)	2.5	4252 lbf (18915 N)	3.5	5655 lbf (25154 N)
1400 ft (427 m)	2911 lbf (12948 N)	0.8	3772 lbf (16781 N)	2.5	4385 lbf (19506 N)	3.6	5821 lbf (25892 N)
1450 ft (442 m)	3015 lbf (13410 N)	0.8	3892 lbf (17312 N)	2.6	4518 lbf (20095 N)	3.6	5986 lbf (26625 N)
1500 ft (457 m)	3119 lbf (13873 N)	0.9	4011 lbf (17841 N)	2.6	4649 lbf (20681 N)	3.6	6149 lbf (27353 N)
1550 ft (472 m)	3223 lbf (14335 N)	0.9	4130 lbf (18369 N)	2.6	4780 lbf (21264 N)	3.6	6312 lbf (28076 N)
1600 ft (488 m)	3327 lbf (14797 N)	0.9	4248 lbf (18895 N)	2.6	4911 lbf (21844 N)	3.7	6473 lbf (28795 N)
1650 ft (503 m)	3431 lbf (15260 N)	0.9	4366 lbf (19419 N)	2.6	5041 lbf (22421 N)	3.7	6634 lbf (29509 N)
1700 ft (518 m)	3535 lbf (15722 N)	0.9	4483 lbf (19942 N)	2.6	5170 lbf (22997 N)	3.7	6793 lbf (30219 N)
1750 ft (533 m)	3638 lbf (16185 N)	0.9	4600 lbf (20463 N)	2.6	5299 lbf (23570 N)	3.7	6952 lbf (30925 N)
1800 ft (549 m)	3742 lbf (16647 N)	0.9	4717 lbf (20983 N)	2.6	5427 lbf (24140 N)	3.8	7110 lbf (31627 N)
1850 ft (564 m)	3846 lbf (17110 N)	0.9	4834 lbf (21502 N)	2.6	5555 lbf (24709 N)	3.8	7267 lbf (32325 N)
1900 ft (579 m)	3950 lbf (17572 N)	0.9	4950 lbf (22019 N)	2.7	5682 lbf (25275 N)	3.8	7423 lbf (33020 N)
1950 ft (594 m)	4054 lbf (18034 N)	0.9	5066 lbf (22536 N)	2.7	5809 lbf (25840 N)	3.8	7579 lbf (33711 N)
2000 ft (610 m)	4158 lbf (18497 N)	0.9	5182 lbf (23051 N)	2.7	5936 lbf (26403 N)	3.8	7733 lbf (34399 N)
2050 ft (625 m)	4262 lbf (18959 N)	0.9	5297 lbf (23564 N)	2.7	6062 lbf (26963 N)	3.9	7887 lbf (35084 N)
2100 ft (640 m)	4366 lbf (19422 N)	0.9	5413 lbf (24077 N)	2.7	6187 lbf (27522 N)	3.9	8040 lbf (35766 N)
2150 ft (655 m)	4470 lbf (19884 N)	0.9	5528 lbf (24589 N)	2.7	6313 lbf (28080 N)	3.9	8193 lbf (36445 N)
2200 ft (671 m)	4574 lbf (20347 N)	0.9	5643 lbf (25100 N)	2.7	6438 lbf (28636 N)	3.9	8345 lbf (37120 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

CORNING

Installation Conditions

Spans in italics can also use Span Code C cables

97-144 Fibers

Code F MDPE	1% Initial Installation SAG (Vertical)	NESC Light		NESC Medium		NESC Heavy	
		Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
Span	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension	Vertical SAG (%)	Tension
50 ft (15 m)	149 lbf (661 N)	0.7	218 lbf (969 N)	1.7	271 lbf (1206 N)	2.0	411 lbf (1830 N)
100 ft (30 m)	297 lbf (1323 N)	0.8	425 lbf (1888 N)	1.8	520 lbf (2315 N)	2.2	766 lbf (3407 N)
150 ft (46 m)	446 lbf (1984 N)	0.8	623 lbf (2773 N)	1.9	756 lbf (3361 N)	2.3	1089 lbf (4844 N)
200 ft (61 m)	595 lbf (2645 N)	0.8	816 lbf (3632 N)	1.9	980 lbf (4361 N)	2.4	1391 lbf (6189 N)
250 ft (76 m)	743 lbf (3306 N)	0.8	1005 lbf (4470 N)	2.0	1197 lbf (5326 N)	2.5	1679 lbf (7467 N)
300 ft (91 m)	892 lbf (3968 N)	0.8	1189 lbf (5291 N)	2.0	1408 lbf (6265 N)	2.6	1954 lbf (8694 N)
350 ft (107 m)	1041 lbf (4629 N)	0.8	1371 lbf (6099 N)	2.0	1614 lbf (7180 N)	2.6	2221 lbf (9878 N)
400 ft (122 m)	1189 lbf (5290 N)	0.8	1550 lbf (6895 N)	2.1	1816 lbf (8077 N)	2.7	2479 lbf (11028 N)
450 ft (137 m)	1338 lbf (5951 N)	0.8	1727 lbf (7681 N)	2.1	2014 lbf (8958 N)	2.8	2731 lbf (12150 N)
500 ft (152 m)	1487 lbf (6613 N)	0.8	1901 lbf (8458 N)	2.1	2209 lbf (9825 N)	2.8	2978 lbf (13246 N)
550 ft (168 m)	1635 lbf (7274 N)	0.8	2074 lbf (9228 N)	2.2	2401 lbf (10679 N)	2.9	3219 lbf (14320 N)
600 ft (183 m)	1784 lbf (7935 N)	0.9	2246 lbf (9991 N)	2.2	2591 lbf (11523 N)	2.9	3456 lbf (15375 N)
650 ft (198 m)	1933 lbf (8596 N)	0.9	2416 lbf (10748 N)	2.2	2778 lbf (12358 N)	3.0	3690 lbf (16412 N)
700 ft (213 m)	2081 lbf (9258 N)	0.9	2585 lbf (11500 N)	2.2	2964 lbf (13184 N)	3.0	3919 lbf (17435 N)
750 ft (229 m)	2230 lbf (9919 N)	0.9	2753 lbf (12247 N)	2.3	3148 lbf (14002 N)	3.0	4146 lbf (18443 N)
800 ft (244 m)	2379 lbf (10580 N)	0.9	2920 lbf (12989 N)	2.3	3330 lbf (14813 N)	3.1	4370 lbf (19438 N)
850 ft (259 m)	2527 lbf (11242 N)	0.9	3086 lbf (13728 N)	2.3	3511 lbf (15617 N)	3.1	4591 lbf (20422 N)
900 ft (274 m)	2676 lbf (11903 N)	0.9	3251 lbf (14463 N)	2.3	3690 lbf (16416 N)	3.1	4810 lbf (21395 N)
950 ft (290 m)	2825 lbf (12564 N)	0.9	3416 lbf (15195 N)	2.3	3869 lbf (17209 N)	3.2	5026 lbf (22358 N)
1000 ft (305 m)	2973 lbf (13225 N)	0.9	3580 lbf (15923 N)	2.3	4046 lbf (17997 N)	3.2	5241 lbf (23312 N)
1050 ft (320 m)	3122 lbf (13887 N)	0.9	3743 lbf (16649 N)	2.4	4222 lbf (18781 N)	3.2	5453 lbf (24257 N)
1100 ft (335 m)	3270 lbf (14548 N)	0.9	3905 lbf (17372 N)	2.4	4397 lbf (19560 N)	3.3	5664 lbf (25195 N)
1150 ft (351 m)	3419 lbf (15209 N)	0.9	4067 lbf (18093 N)	2.4	4571 lbf (20335 N)	3.3	5873 lbf (26124 N)
1200 ft (366 m)	3568 lbf (15870 N)	0.9	4229 lbf (18811 N)	2.4	4745 lbf (21106 N)	3.3	6080 lbf (27047 N)
1250 ft (381 m)	3716 lbf (16532 N)	0.9	4390 lbf (19528 N)	2.4	4917 lbf (21874 N)	3.3	6286 lbf (27963 N)
1300 ft (396 m)	3865 lbf (17193 N)	0.9	4551 lbf (20242 N)	2.4	5089 lbf (22638 N)	3.4	6491 lbf (28873 N)
1350 ft (411 m)	4014 lbf (17854 N)	0.9	4711 lbf (20955 N)	2.4	5260 lbf (23400 N)	3.4	6694 lbf (29777 N)
1400 ft (427 m)	4162 lbf (18516 N)	0.9	4871 lbf (21665 N)	2.4	5431 lbf (24158 N)	3.4	6896 lbf (30675 N)
1450 ft (442 m)	4311 lbf (19177 N)	0.9	5030 lbf (22374 N)	2.4	5601 lbf (24913 N)	3.4	7097 lbf (31568 N)
1500 ft (457 m)	4460 lbf (19838 N)	0.9	5189 lbf (23082 N)	2.5	5770 lbf (25666 N)	3.5	7296 lbf (32456 N)
1550 ft (472 m)	4608 lbf (20499 N)	0.9	5348 lbf (23788 N)	2.5	5939 lbf (26417 N)	3.5	7495 lbf (33339 N)
1600 ft (488 m)	4757 lbf (21161 N)	0.9	5506 lbf (24493 N)	2.5	6107 lbf (27165 N)	3.5	7692 lbf (34217 N)
1650 ft (503 m)	4906 lbf (21822 N)	0.9	5664 lbf (25196 N)	2.5	6274 lbf (27910 N)	3.5	7889 lbf (35091 N)
1700 ft (518 m)	5054 lbf (22483 N)	0.9	5822 lbf (25898 N)	2.5	6442 lbf (28654 N)	3.5	8084 lbf (35961 N)
1750 ft (533 m)	5203 lbf (23144 N)	0.9	5980 lbf (26599 N)	2.5	6608 lbf (29395 N)	3.6	8279 lbf (36827 N)
1800 ft (549 m)	5352 lbf (23806 N)	0.9	6137 lbf (27299 N)	2.5	6775 lbf (30135 N)	3.6	8473 lbf (37689 N)
1850 ft (564 m)	5500 lbf (24467 N)	0.9	6294 lbf (27998 N)	2.5	6940 lbf (30872 N)	3.6	8666 lbf (38548 N)

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

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Transmission Performance

Multimode				
Fiber Core Diameter (µm)	62.5	50	50	50
Fiber Category	OM1	OM2	OM3	OM4
Fiber Code	K	T	T	T
Performance Option Code	30	31	80	90
Wavelengths (nm)	850/1300	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0
Serial 1 Gigabit Ethernet (m)	300/550	750/500	1000/600	1100/600
Serial 10 Gigabit Ethernet (m)	33/-	150/-	300/-	550/-
Min. Overfilled Launch (OFL) Bandwidth (MHz*km)	200/500	700/500	1500/500	3500/500
Minimum Effective Modal Bandwidth (EMB) (MHz*km)	220/-	950/-	2000/-	4700/-

Single-mode					
Fiber Name	Single-mode (OS2)	Single-mode (OS2)	SMF-28e+® LL	SMF-28® Ultra fiber**	SMF-28® ULL
Fiber Category	G.652.D	G.652.D	G.652.D	G.652.D/G.657.A1	G.652
Fiber Code	E	E	L	Z	P
Performance Option Code	01	00	22	22	19
Wavelengths (nm)	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	0.4/0.4/0.3	0.35/0.35/0.25	0.34/0.34/0.22	0.34/0.34/0.22	0.33/-/0.19
Fiber Name	LEAF® fiber				
Fiber Category	G.655				
Fiber Code	F				
Performance Option Code	01				
Wavelengths (nm)	1310/1383/1550				
Maximum Attenuation (dB/km)	-/-/0.25				

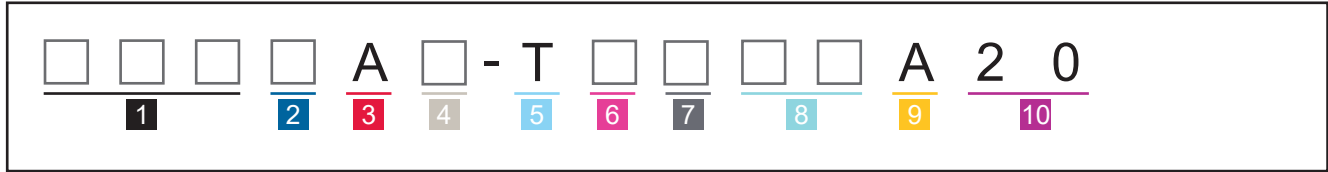
* For more information on typical attenuation please see the Corning whitepaper at http://csmedia.corning.com/opcomm//Resource_Documents/whitepapers_rl/LAN-1863-AEN.pdf

** SMF-28® Ultra delivers up to 10x better macrobend loss performance compared to the G.652.D standard and up to 33 percent better macrobend loss performance than the G.657.A1 standard for 10mm radii bends.

SOLO® All-Dielectric Self-Supporting Cables 2-288 Fibers

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Ordering Information | Note: Contact Customer Care at 1-800-743-2675 for other options.



1 Select fiber count.
Standard offerings: 002 - 288

2 Select fiber code.
K = 62.5 µm multimode (OM1)
T = 50 µm multimode (OM2/OM3/OM4)
E = Single-mode (G.652.D)
Z = Single-mode (G.652.D/G.657.A1) SMF-28® Ultra fiber
P = Single-mode (G.652) SMF-28® ULL
F = Single-mode (G.655) LEAF®

3 Defines cable type.
A = SOLO® Dual-Jacket Cable

4 Defines outer jacket.
E = PE jacket (standard)
A = TRPE jacket

5 Defines fiber placement.
T = 12 fibers/buffer tube (standard)

6 Defines length markings.
3 = Markings in meters
4 = Markings in ft (standard)

7 Select tensile strength.
(see Span Codes in Sag and Tension Tables)

8 Select performance option code.
30 = 62.5 µm multimode (OM1)
31 = 50 µm multimode (OM2)
80 = 50 µm multimode (OM3)
90 = 50 µm multimode (OM4)
01 = Single-mode (OS2) (Max. attenuation 0.4/0.4/0.3 dB/km)
00 = Single-mode (OS2) (Max. attenuation 0.35/0.35/0.25 dB/km)
22 = Single-mode (OS2) (Max. attenuation 0.34/0.34/0.22 dB/km)
19 = Single-mode (Ultra Low-Loss) (Max. attenuation 0.33/-/0.19 dB/km)
01 = Single-mode NZDSF* (Max. attenuation -/-/0.25 dB/km)

*Non-Zero Dispersion-Shifted Single-mode Fiber

9 Defines cable type.
A = SOLO® Dual-Jacket Cable

10 Defines special manufacturing code.
20 = No special requirements

Please contact Corning Engineering Services at 800-743-2671 for installation advice or information regarding mounting hardware.



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