

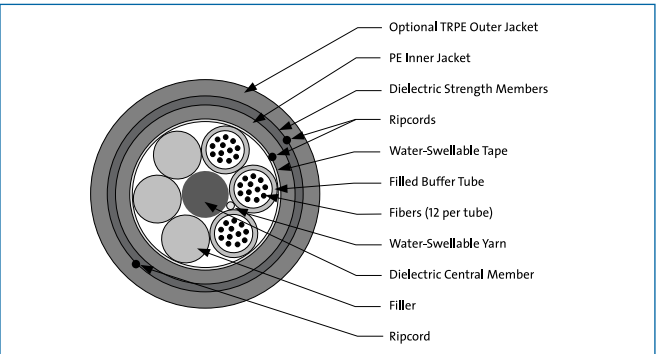
SOLO® All-Dielectric Self-Supporting Cables, 2-288 Fibers

A Corning Cable Systems Product

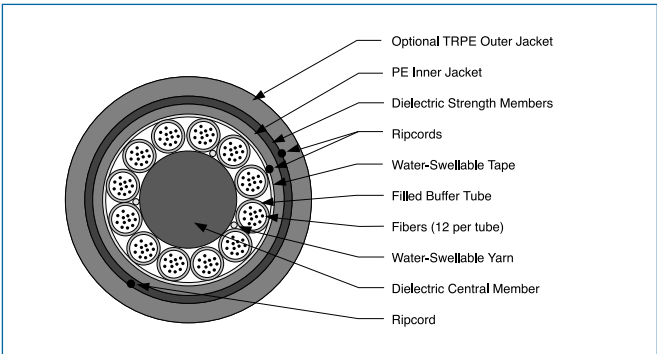
features and benefits |

Available with a proprietary track-resistant polyethylene (TRPE) jacket	Suitable for installations in electric field potentials up to 25 kV
Concentric, self-supporting cable design	Allows easy, one-step installation, using standard hardware and installation methods
Innovative waterblocking design	Eliminates the need for traditional flooding compound, providing efficient and craft-friendly cable preparation
SZ-stranded, loose tube design	Isolates fibers from installation and environmental rigors and facilitates midspan access

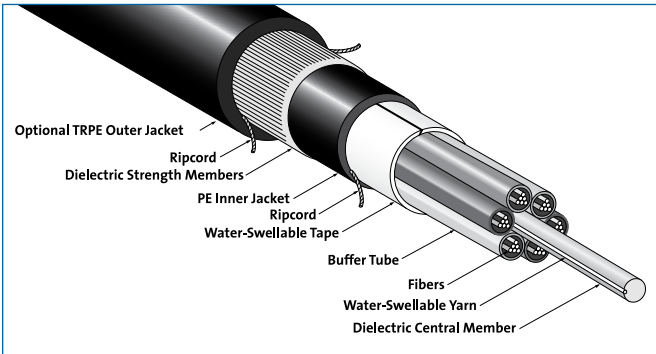
Corning Cable Systems SOLO® Cables are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one-step installation in campus backbones with self-supporting installations where metallic messengers cannot be used. The loose tube design provides stable performance over a wide temperature 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 midspan 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.



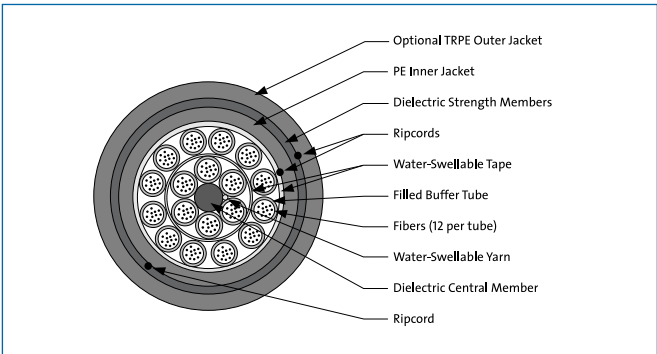
SOLO Cable, 36-Fiber | Drawing ZA-1949



SOLO Cable, 144-Fiber | Drawing ZA-1950



SOLO ADSS Cable | Drawing ZA-1948



SOLO Cable, 216-Fiber | Drawing ZA-1951

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

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specifications |

Temperatures	Storage:	-40° to +70°C (-40° to +158°F)
	Installation:	-30° to +70°C (-22° to +158°F)
	Operation:	-40° to +70°C (-40° to +158°F)

Weight Count	Nominal Cable Diameter kg/km (lb/1000 ft)	Nominal Outer Diameter mm (in)	Minimum Bend Radius		Span Code
			Loaded cm (in)	Installed cm (in)	
2-72	138 (93)	13.5 (0.53)	20.3 (8.0)	13.5 (5.3)	2
	148 (99)	14.0 (0.55)	21.0 (8.3)	14.0 (5.5)	5
	193 (130)	16.2 (0.64)	24.3 (9.6)	16.2 (6.4)	A
	207 (139)	16.8 (0.66)	25.2 (9.9)	16.8 (6.6)	C
	212 (143)	17.1 (0.67)	25.7 (10.1)	17.1 (6.7)	E
73-96	181 (122)	15.5 (0.61)	23.3 (9.2)	15.5 (6.1)	4
	235 (158)	17.8 (0.70)	26.7 (10.5)	17.8 (7.0)	B
	239 (160)	18.0 (0.71)	27.0 (10.6)	18.0 (7.1)	C
	248 (167)	18.4 (0.72)	27.6 (10.9)	18.4 (7.2)	F
97-144	320 (215)	20.5 (0.81)	30.8 (12.1)	20.5 (8.1)	4
	329 (221)	20.8 (0.82)	31.2 (12.3)	20.8 (8.2)	A
	337 (226)	21.1 (0.83)	31.7 (12.5)	21.1 (8.3)	C
	354 (238)	21.8 (0.86)	32.7 (12.9)	21.8 (8.6)	F
145-216	281 (189)	19.7 (0.78)	29.6 (11.6)	19.7 (7.8)	2
	284 (191)	19.9 (0.78)	29.9 (11.8)	19.9 (7.8)	4
	332 (224)	21.5 (0.85)	32.3 (12.7)	21.5 (8.5)	8
	341 (229)	21.8 (0.86)	32.7 (12.9)	21.8 (8.6)	A
	349 (235)	22.1 (0.87)	33.2 (13.1)	22.1 (8.7)	B
240-288	421 (283)	23.9 (0.94)	35.8 (14.1)	23.9 (9.4)	2
	434 (292)	24.3 (0.96)	36.5 (14.4)	24.3 (9.6)	6
	449 (302)	24.8 (0.98)	37.2 (14.7)	24.8 (9.8)	A
	456 (306)	25.0 (0.98)	37.5 (14.8)	25.0 (9.8)	C
	464 (312)	25.3 (1.00)	38.0 (15.0)	25.3 (10.0)	E

Note: Dimensions, weights and span distances shown are for cables with polyethylene jackets. Diameters and weights are representative figures and may vary $\pm$ 5%. Contact Customer Service for additional options.

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

A Corning Cable Systems Product

specifications | (continued)

Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2									
2-72	30 (100)	1.0	511 (115)	1.1	1098 (247)	2.2	1404 (316)	2.8	2151 (484)
	61 (200)	1.0	1022 (230)	1.3	1960 (441)	2.5	2458 (553)	3.3	3649 (821)
	91 (300)	1.0	1538 (346)	1.4	2742 (617)	2.7	3391 (763)	3.7	4951 (1114)
	122 (400)	1.0	2049 (461)	1.4	3478 (783)	2.9	4253 (957)	3.9	6152 (1384)
	152 (500)	1.0	2560 (576)	1.5	4178 (940)	3.1	5076 (1142)	—	— —
	183 (600)	1.0	3071 (691)	1.6	4853 (1092)	3.2	5862 (1319)	—	— —
	213 (700)	1.0	3582 (806)	1.6	5516 (1241)	3.3	6622 (1490)	—	— —
	244 (800)	1.0	4093 (921)	1.6	6160 (1386)	—	— —	—	— —
	274 (900)	1.0	4611 (1037)	1.7	6796 (1529)	—	— —	—	— —
Span Code 5									
2-72	122 (400)	1.0	2182 (491)	1.4	3787 (852)	2.7	4676 (1052)	3.6	6889 (1550)
	152 (500)	1.0	2729 (614)	1.4	4569 (1028)	2.3	5605 (1261)	3.8	8164 (1837)
	183 (600)	1.0	327 (6737)	1.5	5324 (1198)	2.9	6492 (1461)	3.9	9382 (2111)
	213 (700)	1.0	3818 (859)	1.5	6062 (1364)	3.0	7342 (1652)	4.1	10551 (2374)
	244 (800)	1.0	4364 (982)	1.5	6782 (1526)	3.1	8173 (1839)	—	— —
	274 (900)	1.0	4911 (1105)	1.5	7484 (1684)	3.2	8987 (2022)	—	— —
	305 (1000)	1.0	5458 (1228)	1.6	8178 (1840)	3.2	9782 (2201)	—	— —
	335 (1100)	1.0	6000 (1350)	1.6	8862 (1994)	3.3	10564 (2377)	—	— —
	366 (1200)	1.0	6547 (1473)	1.6	9538 (2146)	—	— —	—	— —
	396 (1300)	1.0	7093 (1596)	1.6	10204 (2296)	—	— —	—	— —
Span Code A									
2-72	213 (700)	1.0	5049 (1136)	1.3	7560 (1701)	2.7	8964 (2017)	3.6	12876 (2897)
	244 (800)	1.0	5769 (1298)	1.4	8489 (1910)	2.8	10022 (2255)	3.7	14289 (3215)
	274 (900)	1.0	6489 (1460)	1.4	9400 (2115)	2.8	11053 (2487)	3.8	15667 (3525)
	305 (1000)	1.0	7213 (1623)	1.4	10302 (2318)	2.9	12062 (2714)	3.9	17009 (3827)
	335 (1100)	1.0	7933 (1785)	1.4	11187 (2517)	2.9	13058 (2938)	—	— —
	366 (1200)	1.0	8653 (1947)	1.4	12062 (2714)	3.0	14036 (3158)	—	— —
	396 (1300)	1.0	9373 (2109)	1.5	12929 (2909)	3.0	15004 (3376)	—	— —
	427 (1400)	1.0	10098 (2272)	1.5	13791 (3103)	3.0	15956 (3590)	—	— —
	457 (1500)	1.0	10818 (2434)	1.5	14640 (3294)	3.1	16902 (3803)	—	— —
	488 (1600)	1.0	11538 (2596)	1.5	15489 (3485)	—	— —	—	— —
	518 (1700)	1.0	12262 (2759)	1.5	16324 (3673)	—	— —	—	— —
	549 (1800)	1.0	12982 (2921)	1.5	17160 (3861)	—	— —	—	— —

Continued

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

A Corning Cable
Systems Product

specifications | (continued)

Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code C									
2-72	274 (900)	1.0	6960 (1566)	1.3	9996 (2249)	2.7	11720 (2637)	3.6	16653 (3747)
	305 (1000)	1.0	7733 (1740)	1.4	10960 (2466)	2.8	12800 (2880)	3.7	18089 (4070)
	335 (1100)	1.0	8507 (1914)	1.4	11911 (2680)	2.8	13867 (3120)	3.8	19493 (4386)
	366 (1200)	1.0	9280 (2088)	1.4	12853 (2892)	2.9	14916 (3356)	3.9	20871 (4696)
	396 (1300)	1.0	10053 (2262)	1.4	13787 (3102)	2.9	15951 (3589)	—	— —
	427 (1400)	1.0	10831 (2437)	1.4	14707 (3309)	2.9	16973 (3819)	—	— —
	457 (1500)	1.0	11604 (2611)	1.4	15622 (3515)	3.0	17982 (4046)	—	— —
	488 (1600)	1.0	12378 (2785)	1.4	16529 (3719)	3.0	18982 (4271)	—	— —
	518 (1700)	1.0	13151 (2959)	1.5	17431 (3922)	3.0	19978 (4495)	—	— —
	549 (1800)	1.0	13924 (3133)	1.5	18324 (4123)	3.1	20960 (4716)	—	— —
	579 (1900)	1.0	14698 (3307)	1.5	19218 (4324)	—	— —	—	— —
	610 (2000)	1.0	15471 (3481)	1.5	20102 (4523)	—	— —	—	— —
	640 (2100)	1.0	16244 (3655)	1.5	21245 (4721)	—	— —	—	— —
Span Code E									
2-72	335 (1100)	1.0	8671 (1951)	1.4	12311 (2770)	2.7	14351 (3229)	3.7	20324 (4573)
	366 (1200)	1.0	9462 (2129)	1.4	13284 (2989)	2.8	15440 (3474)	3.7	21764 (4897)
	396 (1300)	1.0	10249 (2306)	1.4	14249 (3206)	2.8	16516 (3716)	3.8	23178 (5215)
	427 (1400)	1.0	11040 (2484)	1.4	15204 (3421)	2.8	17578 (3955)	3.9	24569 (5528)
	457 (1500)	1.0	11827 (2661)	1.4	16151 (3634)	2.8	18627 (4191)	—	— —
	488 (1600)	1.0	12613 (2838)	1.4	17093 (3846)	2.9	19667 (4425)	—	— —
	518 (1700)	1.0	13404 (3016)	1.4	18022 (4055)	2.9	20698 (4657)	—	— —
	549 (1800)	1.0	14191 (3193)	1.4	18951 (4264)	3.0	21716 (4886)	—	— —
	579 (1900)	1.0	14982 (3371)	1.4	19871 (4471)	3.0	22724 (5113)	—	— —
	610 (2000)	1.0	15769 (3548)	1.5	20787 (4677)	3.0	23729 (5339)	—	— —
	640 (2100)	1.0	16556 (3725)	1.5	21698 (4882)	—	— —	—	— —
	671 (2200)	1.0	17347 (3903)	1.5	22600 (5085)	—	— —	—	— —
	701 (2300)	1.0	18133 (4080)	1.5	23502 (5288)	—	— —	—	— —
731 (2400)	1.0	18880 (4248)	1.5	24400 (5490)	—	— —	—	— —	

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

A Corning Cable Systems Product

specifications | (continued)

Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 4									
73-96	122 (400)	1.0	2689 (605)	1.3	4222 (950)	2.7	5058 (1138)	3.5	7289 (1640)
	152 (500)	1.0	3364 (757)	1.4	5111 (1150)	2.8	6076 (1367)	3.7	8662 (1949)
	183 (600)	1.0	4036 (908)	1.4	5973 (1344)	2.9	7053 (1587)	3.9	9964 (2242)
	213 (700)	1.0	4707 (1059)	1.4	6813 (1533)	3.0	8000 (1800)	4.0	11222 (2525)
	244 (800)	1.0	5382 (1211)	1.5	7636 (1718)	3.0	8929 (2009)	—	— —
	274 (900)	1.0	6053 (1362)	1.5	8449 (1901)	3.1	9831 (2212)	—	— —
	305 (1000)	1.0	6724 (1513)	1.5	9244 (2080)	3.2	10724 (2413)	—	— —
	335 (1100)	1.0	7400 (1665)	1.5	10036 (2258)	3.2	11600 (2610)	—	— —
	366 (1200)	1.0	8071 (1816)	1.6	10818 (2434)	—	— —	—	— —
	396 (1300)	1.0	8742 (1967)	1.6	11591 (2608)	—	— —	—	— —
Span Code B									
73-96	213 (700)	1.0	6120 (1377)	1.3	8444 (1900)	2.7	9764 (2197)	3.6	13698 (3082)
	244 (800)	1.0	6996 (1574)	1.3	9498 (2137)	2.7	10933 (2460)	3.7	15213 (3423)
	274 (900)	1.0	7871 (1771)	1.4	10538 (2371)	2.8	12076 (2717)	3.8	16711 (3760)
	305 (1000)	1.0	8742 (1967)	1.4	11564 (2602)	2.8	13204 (2971)	3.8	18160 (4086)
	335 (1100)	1.0	9618 (2164)	1.4	12578 (2830)	2.9	14316 (3221)	3.9	19578 (4405)
	366 (1200)	1.0	10493 (2361)	1.4	13582 (3056)	2.9	15409 (3467)	—	— —
	396 (1300)	1.0	11369 (2558)	1.4	14578 (3280)	2.9	16493 (3711)	—	— —
	427 (1400)	1.0	12240 (2754)	1.4	15569 (3503)	3.0	17564 (3952)	—	— —
	457 (1500)	1.0	13116 (2951)	1.4	16551 (3724)	3.0	18627 (4191)	—	— —
	488 (1600)	1.0	13991 (3148)	1.4	17524 (3943)	3.0	19680 (4428)	—	— —
	518 (1700)	1.0	14867 (3345)	1.5	18498 (4162)	—	— —	—	— —
	549 (1800)	1.0	15738 (3541)	1.5	19462 (4379)	—	— —	—	— —
	Span Code C								
73-96	305 (1000)	1.0	8893 (2001)	1.3	11916 (2681)	2.7	13662 (3074)	3.7	18969 (4268)
	335 (1100)	1.0	9782 (2201)	1.4	12960 (2916)	2.8	14818 (3334)	3.8	20458 (4603)
	366 (1200)	1.0	10671 (2401)	1.4	14000 (3150)	2.8	15951 (3589)	3.8	21916 (4931)
	396 (1300)	1.0	11560 (2601)	1.4	15027 (3381)	2.8	17076 (3842)	3.9	23351 (5254)
	427 (1400)	1.0	12449 (2801)	1.4	16049 (3611)	2.9	18187 (4092)	—	— —
	457 (1500)	1.0	13338 (3001)	1.4	17058 (3838)	2.9	19289 (4340)	—	— —
	488 (1600)	1.0	14231 (3202)	1.4	18067 (4065)	2.9	20378 (4585)	—	— —
	518 (1700)	1.0	15120 (3402)	1.4	19067 (4290)	3.0	21458 (4828)	—	— —
	549 (1800)	1.0	16009 (3602)	1.4	20062 (4514)	3.0	22533 (5070)	—	— —
	579 (1900)	1.0	16898 (3802)	1.4	21049 (4736)	3.0	23600 (5310)	—	— —
	610 (2000)	1.0	17787 (4002)	1.5	22036 (4958)	—	— —	—	— —
	640 (2100)	1.0	18676 (4202)	1.5	23018 (5179)	—	— —	—	— —
	671 (2200)	1.0	19564 (4402)	1.5	23996 (5399)	—	— —	—	— —

Continued

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

A Corning Cable
Systems Product

Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code F									
73-96	366 (1200)	1.0	11076 (2492)	1.3	14582 (3281)	2.7	16627 (3741)	3.7	22964 (5167)
	396 (1300)	1.0	12000 (2700)	1.4	15653 (3522)	2.8	17804 (4006)	3.8	24476 (5507)
	427 (1400)	1.0	12920 (2907)	1.4	16720 (3762)	2.8	18969 (4268)	3.8	25960 (5841)
	457 (1500)	1.0	13844 (3115)	1.4	17782 (4001)	2.8	20120 (4527)	3.9	27422 (6170)
	488 (1600)	1.0	14769 (3323)	1.4	14237 (1883)	2.9	21258 (4783)	—	— —
	518 (1700)	1.0	15689 (3530)	1.4	19876 (4472)	2.9	22391 (5038)	—	— —
	549 (1800)	1.0	16613 (3738)	1.4	20916 (4706)	2.9	23516 (5291)	—	— —
	579 (1900)	1.0	17538 (3946)	1.4	21951 (4939)	2.9	24631 (5542)	—	— —
	610 (2000)	1.0	18458 (4153)	1.4	22978 (5170)	3.0	25738 (5791)	—	— —
	640 (2100)	1.0	19382 (4361)	1.4	24004 (5401)	3.0	26840 (6039)	—	— —
	671 (2200)	1.0	20307 (4569)	1.4	25022 (5630)	3.0	27933 (6285)	—	— —
	701 (2300)	1.0	21227 (4776)	1.4	26040 (5859)	—	— —	—	— —
	731 (2400)	1.0	22151 (4984)	1.4	27053 (6087)	—	— —	—	— —
	762 (2500)	1.0	23076 (5192)	1.5	28062 (6314)	—	— —	—	— —

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 4									
97-144	183 (600)	1.0	7084 (1594)	1.3	8844 (1990)	2.6	9778 (2200)	3.6	12876 (2897)
	213 (700)	1.0	8267 (1860)	1.3	10147 (2283)	2.6	11164 (2512)	3.7	14564 (3277)
	244 (800)	1.0	9444 (2125)	1.3	11431 (2572)	2.7	12524 (2818)	3.8	16204 (3646)
	274 (900)	1.0	10627 (2391)	1.3	12707 (2859)	2.7	13867 (3120)	3.9	17813 (4008)
	305 (1000)	1.0	11809 (2657)	1.3	13973 (3144)	2.7	15196 (3419)	—	— —
	335 (1100)	1.0	12987 (2922)	1.3	15231 (3427)	2.8	16511 (3715)	—	— —
	366 (1200)	1.0	14169 (3188)	1.3	16480 (3708)	—	— —	—	— —
Span Code A									
97-144	213 (700)	1.0	8502 (1913)	1.3	10498 (2362)	2.5	11631 (2617)	3.5	15404 (3466)
	244 (800)	1.0	9716 (2186)	1.3	11836 (2663)	2.6	13053 (2937)	3.6	17147 (3858)
	274 (900)	1.0	10929 (2459)	1.3	13160 (2961)	2.6	14458 (3253)	3.7	18853 (4242)
	305 (1000)	1.0	12142 (2732)	1.3	14476 (3257)	2.7	15849 (3566)	3.8	20524 (4618)
	335 (1100)	1.0	13360 (3006)	1.3	15782 (3551)	2.7	17222 (3875)	—	— —
	366 (1200)	1.0	14573 (3279)	1.3	17080 (3843)	2.7	18582 (4181)	—	— —
	396 (1300)	1.0	15787 (3552)	1.3	18373 (4134)	2.7	19938 (4486)	—	— —
	427 (1400)	1.0	17000 (3825)	1.3	19658 (4423)	2.8	21280 (4788)	—	— —
	457 (1500)	1.0	18218 (4099)	1.3	20938 (4711)	—	— —	—	— —
Span Code C									
97-144	274 (900)	1.0	11231 (2527)	1.3	13587 (3057)	2.6	15004 (3376)	3.5	19791 (4453)
	305 (1000)	1.0	12480 (2808)	1.3	14960 (3366)	2.6	16449 (3701)	3.6	21551 (4849)
	335 (1100)	1.0	13729 (3089)	1.3	16302 (3668)	2.6	17880 (4023)	3.7	23280 (5238)
	366 (1200)	1.0	14978 (3370)	1.3	17644 (3970)	2.7	19298 (4342)	3.7	24982 (5621)
	396 (1300)	1.0	16227 (3651)	1.3	18982 (4271)	2.7	20702 (4658)	—	— —
	427 (1400)	1.0	17471 (3931)	1.3	20311 (4570)	2.7	22098 (4972)	—	— —
	457 (1500)	1.0	18720 (4212)	1.3	21636 (4868)	2.7	23484 (5284)	—	— —
	488 (1600)	1.0	19969 (4493)	1.3	22956 (5165)	2.7	24862 (5594)	—	— —
	518 (1700)	1.0	21218 (4774)	1.3	24271 (5461)	—	— —	—	— —
	549 (1800)	1.0	22467 (5055)	1.3	25582 (5756)	—	— —	—	— —

Continued

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code F									
97-144	366 (1200)	1.0	15782 (3551)	1.3	18707 (4209)	2.6	20564 (4627)	3.5	27040 (6084)
	396 (1300)	1.0	17098 (3847)	1.3	20138 (4531)	2.6	22071 (4966)	3.6	28867 (6495)
	427 (1400)	1.0	18413 (4143)	1.3	21547 (4848)	2.6	23564 (5302)	3.6	30667 (6900)
	457 (1500)	1.0	19729 (4439)	1.3	22956 (5165)	2.6	25049 (5636)	3.6	32444 (7300)
	488 (1600)	1.0	21044 (4735)	1.3	24360 (5481)	2.6	26520 (5967)	3.7	34204 (7696)
	518 (1700)	1.0	22360 (5031)	1.3	25760 (5796)	2.6	27987 (6297)	—	— —
	549 (1800)	1.0	23676 (5327)	1.3	27151 (6109)	2.7	29444 (6625)	—	— —
	579 (1900)	1.0	24991 (5623)	1.3	28542 (6422)	2.7	30898 (6952)	—	— —
	610 (2000)	1.0	26307 (5919)	1.3	29929 (6734)	2.7	32342 (7277)	—	— —
	640 (2100)	1.0	27622 (6215)	1.3	31311 (7045)	2.7	33782 (7601)	—	— —
	671 (2200)	1.0	28938 (6511)	1.3	32689 (7355)	2.7	35213 (7923)	—	— —
	701 (2300)	1.0	30253 (6807)	1.3	34067 (7665)	—	— —	—	— —

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2									
145-216	61 (200)	1.0	2018 (454)	1.2	2942 (662)	2.3	3396 (764)	3.0	4840 (1089)
	91 (300)	1.0	3027 (681)	1.2	4204 (946)	2.5	4796 (1079)	3.3	6680 (1503)
	122 (400)	1.0	4036 (908)	1.3	5418 (1219)	2.6	6120 (1377)	3.5	8387 (1887)
	152 (500)	1.0	5044 (1135)	1.3	6596 (1484)	2.7	7396 (1664)	3.7	10009 (2252)
	183 (600)	1.0	6053 (1362)	1.3	7747 (1743)	2.7	8636 (1943)	—	— —
	213 (700)	1.0	7062 (1589)	1.3	8880 (1998)	2.8	9849 (2216)	—	— —
	244 (800)	1.0	8071 (1816)	1.4	9996 (2249)	—	— —	—	— —
Span Code 4									
145-216	122 (400)	1.0	4169 (938)	1.2	5667 (1275)	2.5	6440 (1449)	3.3	8978 (2020)
	152 (500)	1.0	5213 (1173)	1.3	6911 (1555)	2.6	7800 (1755)	3.4	10729 (2414)
	183 (600)	1.0	6253 (1407)	1.3	8124 (1828)	2.6	9116 (2051)	3.6	12404 (2791)
	213 (700)	1.0	7298 (1642)	1.3	9320 (2097)	2.7	10404 (2341)	3.7	14031 (3157)
	244 (800)	1.0	8342 (1877)	1.3	10498 (2362)	2.7	11667 (2625)	—	— —
	274 (900)	1.0	17147 (3858)	1.3	11662 (2624)	2.8	12911 (2905)	—	— —
	305 (1000)	1.0	18658 (4198)	1.4	12813 (2883)	—	— —	—	— —
	335 (1100)	1.0	20142 (4532)	1.4	13956 (3140)	—	— —	—	— —
Span Code 8									
145-216	152 (500)	1.0	6129 (1379)	1.2	7773 (1749)	2.5	8702 (1958)	3.3	11911 (2680)
	183 (600)	1.0	7356 (1655)	1.2	9173 (2064)	2.5	10204 (2296)	3.4	13809 (3107)
	213 (700)	1.0	8578 (1930)	1.3	10547 (2373)	2.6	11680 (2628)	3.5	15649 (3521)
	244 (800)	1.0	9804 (2206)	1.3	11907 (2679)	2.6	13129 (2954)	3.6	17436 (3923)
	274 (900)	1.0	11031 (2482)	1.3	13253 (2982)	2.6	14556 (3275)	—	— —
	305 (1000)	1.0	12258 (2758)	1.3	14631 (3292)	2.7	15964 (3592)	—	— —
	335 (1100)	1.0	13480 (3033)	1.3	15911 (3580)	2.7	17360 (3906)	—	— —
	366 (1200)	1.0	14707 (3309)	1.3	17227 (3876)	—	— —	—	— —
Span Code A									
145-216	183 (600)	1.0	7556 (1700)	1.2	9453 (2127)	2.5	10560 (2376)	3.3	14422 (3245)
	213 (700)	1.0	8813 (1983)	1.2	10880 (2448)	2.5	12089 (2720)	3.4	16351 (3679)
	244 (800)	1.0	10076 (2267)	1.3	12293 (2766)	2.5	13596 (3059)	3.5	18227 (4101)
	274 (900)	1.0	11333 (2550)	1.3	13680 (3078)	2.6	15080 (3393)	3.5	20058 (4513)
	305 (1000)	1.0	12591 (2833)	1.3	15058 (3388)	2.6	16542 (3722)	—	— —
	335 (1100)	1.0	13853 (3117)	1.3	16431 (3697)	2.7	17991 (4048)	—	— —
	366 (1200)	1.0	15111 (3400)	1.3	17791 (4003)	2.7	19431 (4372)	—	— —
	396 (1300)	1.0	16369 (3683)	1.3	19147 (4308)	2.7	20853 (4692)	—	— —
	427 (1400)	1.0	17631 (3967)	1.3	20493 (4611)	—	— —	—	— —

Continued

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code B									
145-216	244 (800)	1.0	2320 (10311)	1.2	12631 (2842)	2.5	14018 (3154)	3.3	4263 (18947)
	274 (900)	1.0	2611 (11604)	1.3	14071 (3166)	2.5	11604 (2611)	3.4	4693 (20858)
	305 (1000)	1.0	2901 (12893)	1.3	15489 (3485)	2.6	17067 (3840)	3.5	5115 (22733)
	335 (1100)	1.0	3191 (14182)	1.3	16902 (3803)	2.6	18564 (4177)	3.6	5528 (24569)
	366 (1200)	1.0	3481 (15471)	1.3	18307 (4119)	2.6	20049 (4511)	—	— —
	396 (1300)	1.0	3771 (16760)	1.3	19702 (4433)	2.6	21520 (4842)	—	— —
	427 (1400)	1.0	4061 (18049)	1.3	21089 (4745)	2.7	22982 (5171)	—	— —
	457 (1500)	1.0	4359 (19373)	1.3	22471 (5056)	2.7	24431 (5497)	—	— —
	488 (1600)	1.0	4651 (20671)	1.3	23844 (5365)	—	— —	—	— —

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2									
217-288	91 (300)	1.0	4636 (1043)	1.1	5747 (1293)	2.3	6298 (1417)	3.0	8276 (1862)
	122 (400)	1.0	6178 (1390)	1.2	7449 (1676)	2.3	8093 (1821)	3.2	10440 (2349)
	152 (500)	1.0	7724 (1738)	1.2	9116 (2051)	2.4	9840 (2214)	3.4	12516 (2816)
	183 (600)	1.0	9267 (2085)	1.2	10760 (2421)	2.5	11551 (2599)	3.5	14520 (3267)
	213 (700)	1.0	10813 (2433)	1.2	12391 (2788)	2.5	13240 (2979)	—	— —
	244 (800)	1.0	12356 (2780)	1.2	14009 (3152)	2.5	14911 (3355)	—	— —
	274 (900)	1.0	13902 (3128)	1.3	15613 (3513)	—	— —	—	— —
Span Code 6									
217-288	183 (600)	1.0	9613 (2163)	1.2	11227 (2526)	2.4	12200 (2745)	3.2	15804 (3556)
	213 (700)	1.0	11213 (2523)	1.2	12942 (2912)	2.4	13996 (3149)	3.3	17942 (4037)
	244 (800)	1.0	12818 (2884)	1.2	14644 (3295)	2.4	15769 (3548)	3.4	20031 (4507)
	274 (900)	1.0	14418 (3244)	1.2	16333 (3675)	2.5	17524 (3943)	3.5	22080 (4968)
	305 (1000)	1.0	16022 (3605)	1.2	18013 (4053)	2.5	19262 (4334)	3.5	24098 (5422)
	335 (1100)	1.0	17622 (3965)	1.2	19684 (4429)	2.5	20991 (4723)	—	— —
	366 (1200)	1.0	19227 (4326)	1.3	21347 (4803)	2.6	22707 (5109)	—	— —
	396 (1300)	1.0	20827 (4686)	1.3	23009 (5177)	—	— —	—	— —
Span Code A									
217-288	305 (1000)	1.0	16596 (3734)	1.2	18729 (4214)	2.4	20169 (4538)	3.4	25702 (5783)
	335 (1100)	1.0	18258 (4108)	1.2	20471 (4606)	2.5	21982 (4946)	3.4	27827 (6261)
	366 (1200)	1.0	19916 (4481)	1.2	22209 (4997)	2.5	23782 (5351)	3.5	29920 (6732)
	396 (1300)	1.0	21578 (4855)	1.2	23942 (5387)	2.5	25573 (5754)	3.5	31987 (7197)
	427 (1400)	1.0	23236 (5228)	1.2	25667 (5775)	2.5	27356 (6155)	—	— —
	457 (1500)	1.0	24898 (5602)	1.3	27387 (6162)	2.5	29129 (6554)	—	— —
	488 (1600)	1.0	26556 (5975)	1.3	29102 (6548)	2.5	30893 (6951)	—	— —
	518 (1700)	1.0	28213 (6348)	1.3	30818 (6934)	—	— —	—	— —
	549 (1800)	1.0	29876 (6722)	1.3	32524 (7318)	—	— —	—	— —
Span Code C									
217-288	335 (1100)	1.0	18564 (4177)	1.2	20827 (4686)	2.4	22422 (5045)	3.4	28587 (6432)
	366 (1200)	1.0	20253 (4557)	1.2	22596 (5084)	2.4	24262 (5459)	3.4	30742 (6917)
	396 (1300)	1.0	21942 (4937)	1.2	24360 (5481)	2.5	26093 (5871)	3.4	32867 (7395)
	427 (1400)	1.0	23636 (5318)	1.2	26120 (5877)	2.5	27911 (6280)	3.5	34973 (7869)
	457 (1500)	1.0	25316 (5696)	1.2	27871 (6271)	2.5	29724 (6688)	—	— —
	488 (1600)	1.0	27004 (6076)	1.2	29622 (6665)	2.5	31524 (7093)	—	— —
	518 (1700)	1.0	28693 (6456)	1.3	31369 (7058)	2.5	33324 (7498)	—	— —
	549 (1800)	1.0	30378 (6835)	1.3	33107 (7449)	2.5	35111 (7900)	—	— —
	579 (1900)	1.0	32067 (7215)	1.3	34844 (7840)	—	— —	—	— —
610 (2000)	1.0	33756 (7595)	1.3	36582 (8231)	—	— —	—	— —	

Continued

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

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Sag and Tension Information									
Fiber Count	Installation		Tension N (lbf)	NESC Light		NESC Medium		NESC Heavy	
	Span m (ft)	Sag %		Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code E									
217-288	396 (1300)	1.0	22324 (5023)	1.2	24813 (5583)	2.4	26622 (5990)	3.4	33733 (7590)
	427 (1400)	1.0	24040 (5409)	1.2	26604 (5986)	2.5	28480 (6408)	3.4	35893 (8076)
	457 (1500)	1.0	25760 (5796)	1.2	28391 (6388)	2.5	30329 (6824)	3.5	38036 (8558)
	488 (1600)	1.0	27476 (6182)	1.2	30178 (6790)	2.5	32173 (7239)	3.5	40156 (9035)
	518 (1700)	1.0	29196 (6569)	1.2	31956 (7190)	2.5	34004 (7651)	—	— —
	549 (1800)	1.0	30911 (6955)	1.2	33729 (7589)	2.5	35836 (8063)	—	— —
	579 (1900)	1.0	32627 (7341)	1.3	35502 (7988)	2.5	37658 (8473)	—	— —
	610 (2000)	1.0	34347 (7728)	1.3	37271 (8386)	2.5	39471 (8881)	—	— —
	640 (2100)	1.0	36062 (8114)	1.3	39036 (8783)	—	— —	—	— —
	671 (2200)	1.0	37778 (8500)	1.3	40800 (9180)	—	— —	—	— —

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

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transmission performance |

Fiber Code	K	T	E	E
Performance Option Code	30	31	01	00
Optical Fiber Type (μm)	62.5/125 μm	50/125 μm	Single-mode*	Single-mode*
ISO/IEC 11801 Nomenclature	OM1	OM2	OS2	OS2
Wavelength (nm)	850/1300	850/1300	1310/1383/1550	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	0.4/0.4/0.3	0.35/0.35/0.25
Minimum Over Filled Launch (OFL) Bandwidth (MHz•km)	200/500	700/500	– / – / –	– / – / –
Minimum Effective Modal Bandwidth (MHz•km)	220/ –	950/ –	– / – / –	– / – / –
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	5000/ – / –	5000/ – / –
Serial 10 Gigabit Ethernet Distance (m)	33/ –	150/ –	10000/ – /40000	10000/ – /40000

* ITU 652.D compliant.

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

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ordering information | Contact Customer Service at 800-743-2671 for other options.

☐	☐	☐	☐	A	☐	-	T	☐	☐	☐	☐	A	2	0
1	2	3	4	5	6		7	8	9	10	11	12	13	14

|1-3

Select fiber count
(002 to 288).

|4

Select fiber code
(see Transmission
Performance table).

|5 / 12

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

|6

Select jacket.
E = PE jacket (standard)
A = TRPE jacket

|7

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

|8

Select length markings.
3 = Markings in meters
4 = Markings in feet
(standard)

|9

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

|10-11

Select performance
option code (see
Transmission
Performance table).

|13-14

Defines special
requirements.
20 = No special
requirements

Notes:
1) Please contact Corning Cable
Systems Engineering Services
at 800-743-2671 for installation,
advice or information regarding
mounting hardware.

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

[notes](#) |

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

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