

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

Corning
Cable Systems

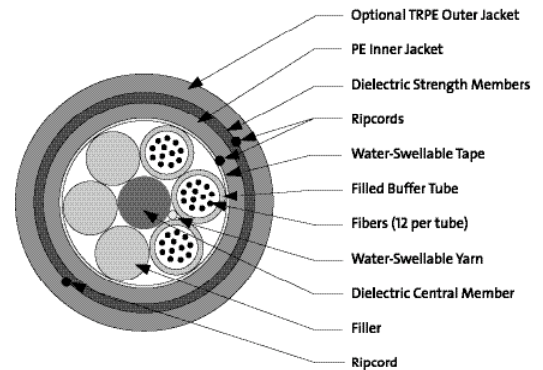
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Description

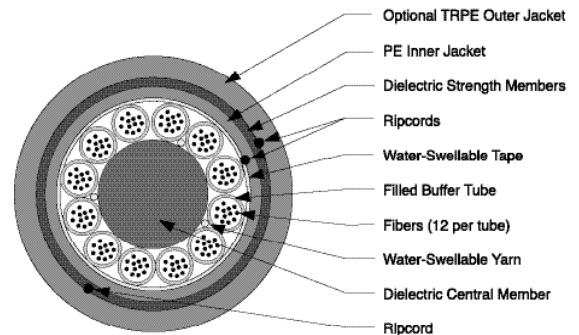
SOLO® Optical Cables are all-dielectric, self-supporting (ADSS) cables designed for easy and economical one-step installation. The loose tube design provides stable performance over a wide temperature range and is compatible with any telecommunications-grade optical fiber.

Features / Benefits

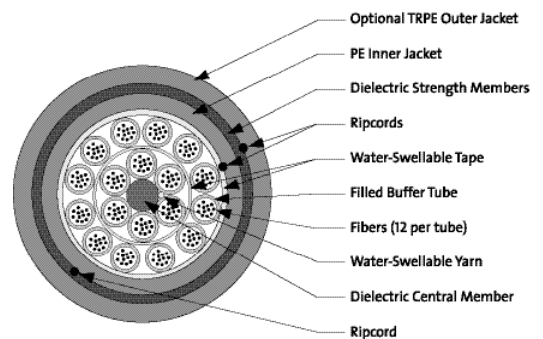
- Available with a proprietary track-resistant polyethylene (TRPE) jacket suitable for installations in electric field potentials up to 25 kV
- Concentric, self-supporting cable design allows easy, one-step installation, using standard hardware and installation methods
- Can span in excess of 500 m (1650 f) in NESC heavy loading conditions; custom cables and sag/tension information available upon request
- Innovative waterblocking design eliminates the need for traditional flooding compound, providing efficient and craft-friendly cable preparation
- S-Z stranded, loose tube design isolates fibers from installation and environmental rigors and facilitates midspan access



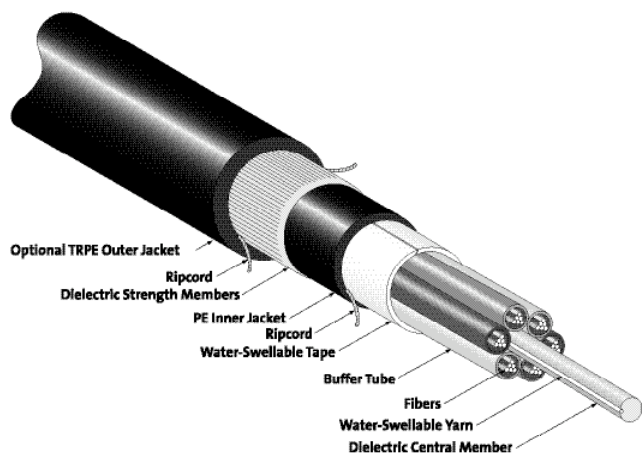
36-Fiber SOLO Cable | Drawing ZA-1949



144-Fiber SOLO Cable | Drawing ZA-1950



216-Fiber SOLO Cable | Drawing ZA-1951



SOLO ADSS Cable | Drawing ZA-1948



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

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Specifications

Storage Temperature -40° to +70°C (-40° to +158°F)

Installation Temperature -30° to +70°C (-22° to +158°F)

Operating Temperature -40° to +70°C (-40° to +158°F)

Fiber Count	Nominal Cable Weight kg/km (lb/1000 ft)	Nominal Outer Diameter mm (in)	Minimum Bend Radius		Span Code
			Loaded cm (in)	Installed cm (in)	
2-72	137 (92)	13.5 (0.5)	20.3 (8.0)	13.5 (5.3)	2
	147 (99)	14.0 (0.6)	21.0 (8.3)	14.0 (5.5)	5
	194 (130)	16.2 (0.6)	24.3 (9.6)	16.2 (6.4)	A
	208 (139)	16.8 (0.7)	25.2 (9.9)	16.8 (6.6)	C
	212 (143)	17.1 (0.7)	25.7 (10.1)	17.1 (6.7)	E
73-96	180 (121)	15.5 (0.6)	23.3 (9.2)	15.5 (6.1)	4
	235 (158)	17.8 (0.7)	26.7 (10.5)	17.8 (7.0)	B
	239 (160)	18.0 (0.7)	27.0 (10.6)	18.0 (7.1)	C
	248 (167)	18.4 (0.7)	27.6 (10.9)	18.4 (7.2)	F
97-144	317 (213)	20.5 (0.8)	30.8 (12.1)	20.5 (8.1)	4
	326 (219)	20.8 (0.8)	31.2 (12.3)	20.8 (8.2)	A
	335 (225)	21.1 (0.8)	31.7 (12.5)	21.1 (8.3)	C
	353 (237)	21.8 (0.9)	32.7 (12.9)	21.8 (8.6)	F
145-216	277 (186)	19.7 (0.8)	29.6 (11.6)	19.7 (7.8)	2
	281 (188)	19.9 (0.8)	29.9 (11.8)	19.9 (7.8)	4
	329 (221)	21.5 (0.8)	32.3 (12.7)	21.5 (8.5)	8
	338 (227)	21.8 (0.9)	32.7 (12.9)	21.8 (8.6)	A
	342 (233)	22.1 (0.9)	33.2 (13.1)	22.1 (8.7)	B
240-288	413 (278)	23.8 (0.9)	35.7 (14.1)	23.8 (9.4)	2
	429 (288)	24.3 (1.0)	36.5 (14.4)	24.3 (9.6)	6
	444 (298)	24.8 (1.0)	37.2 (14.7)	24.8 (9.8)	A
	452 (303)	25.0 (1.0)	37.5 (14.8)	25.0 (9.9)	C
	460 (309)	25.3 (1.0)	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 ±5%.

Contact Customer Service for additional options.

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Sag and Tension Information

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2 – PLP Dead-End Hardware Part Number: 2872101									
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 – PLP Dead-End Hardware Part Number: 2872102									
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 – PLP Dead-End Hardware Part Number: 2872104									
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

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Sag and Tension Information (continued)

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code C – PLP Dead-End Hardware Part Number: 2872104									
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 – PLP Dead-End Hardware Part Number: 2872105									
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)				

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Sag and Tension Information

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 4 – PLP Dead-End Hardware Part Number: 2872103									
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 – PLP Dead-End Hardware Part Number: 2872105									
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 – PLP Dead-End Hardware Part Number: 2872106									
73-96	335 (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



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Sag and Tension Information (continued)

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code F – PLP Dead-End Hardware Part Number: 2872106									
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)				

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Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 4 – PLP Dead-End Hardware Part Number: 2872108									
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 – PLP Dead-End Hardware Part Number: 2872108									
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 – PLP Dead-End Hardware Part Number: 2872109									
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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Cable Systems

Sag and Tension Information (continued)

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code F – PLP Dead-End Hardware Part Number: 2872109									
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)				

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Sag and Tension Information

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2 – PLP Dead-End Hardware Part Number: 2872107									
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 – PLP Dead-End Hardware Part Number: 2872107									
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 – PLP Dead-End Hardware Part Number: 2872109									
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 – PLP Dead-End Hardware Part Number: 2872109									
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 (continued)

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code B – PLP Dead-End Hardware Part Number: 2872109									
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)				

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Sag and Tension Information

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code 2 – PLP Dead-End Hardware Part Number: TBD									
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 – PLP Dead-End Hardware Part Number: TBD									
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 – PLP Dead-End Hardware Part Number: TBD									
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 – PLP Dead-End Hardware Part Number: TBD									
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 (continued)

Installation Parameters				NESC Light		NESC Medium		NESC Heavy	
Fiber Count	Span m (ft)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)	Sag %	Tension N (lbf)
Span Code E – PLP Dead-End Hardware Part Number: TBD									
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)				

Transmission Performance Table

Fiber Code	K	C	E	E
Performance Option Code	30	31	01	00
Fiber Type	62.5/125 µm (850/1300 nm)	50/125 µm (850/1300 nm)	Single-mode (1310/1383/1550 nm)	Single-mode (1310/1383/1550 nm)
Maximum Attenuation (dB/km)	3.5/1.0	3.5/1.5	0.4/0.4/0.3	0.35/0.35/0.25
Minimum LED Bandwidth (MHz•km)	200/500	500/500	- / - / -	- / - / -
Minimum Effective Modal Bandwidth (MHz•km)	220/ -*	510/ -*	- / - / -	- / - / -
Serial Gigabit Ethernet Distance (m)	300/550	600/600	5000/ - / -	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	82/ -	10000/40000	10000/40000

* EMB when deployed with 850 nm, 1 Gb/s VCSELs as predicted by RML. Bandwidth using FOTP-204.

Ordering Information

Contact Customer Service 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.

4 = Markings in feet (standard)
3 = Markings in meters

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



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