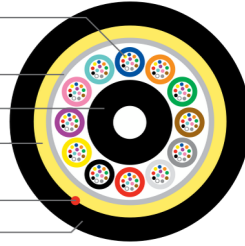


EnduraSpan™ ADSS



Optical Fiber in PFM™
Gel-Filled Buffer Tube
Water-Blocking Tape
Central Strength Member
Dielectric Water-Blocking
Strength Members
Rip Cord
UV Resistant Jacket



Specifications

Fiber Count	Available in any fiber count 6 to 288 fibers
Compressive Strength lbs/in (N/cm)	Install: 125 (220) Long Term: 63 (110)
Recommended Hardware	FIBERLIGN® dead-end for ADSS Limited Tension
Standards Design and Test	ICEA S-87-640 IEEE 1222

FIBERLIGN is a registered trademark of Preformed Line Products (PLP).

Environmental Specifications

Operation/Storage	-40°C to +70°C
Installation	-30°C to +70°C

ADSS Product Matrix

Part Number	Fiber Count	Span ft (m)	Nominal Weight lbs/kft (kg/km)	Nominal Diameter in (mm)	MRCL lbs (N)	Initial Tension		
						Unloaded	Loaded	
						lbs (N)	sag %	lbs (N)
LIGHT NESC Loading District								
FE21-012U10-E991	12	82 (25)	47.37 (70.49)	0.41 (10.4)	225 (1,000)	32 (144)	0.7%	84 (375)
FE22-012U10-E991	12	164 (50)	47.37 (70.49)	0.41 (10.4)	225 (1,000)	65 (288)	0.7%	169 (750)
FE23-012U10-E991	12	246 (75)	47.63 (70.88)	0.41 (10.4)	261 (1,159)	98 (434)	0.7%	253 (1,126)
FE24-012U10-E991	12	328 (100)	48.15 (71.66)	0.41 (10.4)	333 (1,479)	132 (586)	0.7%	327 (1,454)
FE25-012U10-E991	12	410 (125)	48.94 (72.83)	0.41 (10.5)	440 (1,959)	167 (741)	0.7%	406 (1,805)
FE26-012U10-E991	12	492 (150)	49.47 (73.62)	0.41 (10.5)	512 (2,279)	203 (901)	0.7%	494 (2,198)
FE27-012U10-E991	12	574 (175)	49.99 (74.40)	0.42 (10.6)	584 (2,598)	238 (1,061)	0.8%	554 (2,462)
FE28-012U10-E991	12	656 (200)	50.52 (75.17)	0.42 (10.6)	656 (2,918)	276 (1,227)	0.8%	640 (2,849)
FE29-012U10-E991	12	738 (225)	51.30 (76.34)	0.42 (10.7)	764 (3,398)	314 (1,396)	0.8%	729 (3,245)
FE2A-012U10-E991	12	820 (250)	51.56 (76.73)	0.42 (10.7)	800 (3,558)	352 (1,565)	0.8%	782 (3,477)
FE2B-012U10-E991	12	902 (275)	51.86 (77.17)	0.42 (10.7)	902 (4,014)	388 (1,727)	0.8%	855 (3,803)
FE2C-012U10-E991	12	984 (300)	52.38 (77.95)	0.42 (10.7)	982 (4,367)	428 (1,904)	0.8%	940 (4,180)
FE2D-012U10-E991	12	1,066 (325)	52.91 (78.73)	0.42 (10.8)	1,061 (4,720)	468 (2,080)	0.8%	1,001 (4,455)
FE2E-012U10-E991	12	1,148 (350)	53.43 (79.51)	0.43 (10.8)	1,140 (5,073)	509 (2,264)	0.9%	1,086 (4,833)
FE2F-012U10-E991	12	1,230 (375)	53.95 (80.29)	0.43 (10.8)	1,220 (5,425)	551 (2,451)	0.9%	1,173 (5,216)
FE2G-012U10-E991	12	1,312 (400)	54.48 (81.07)	0.43 (10.9)	1,299 (5,778)	594 (2,642)	0.9%	1,260 (5,604)
FE21-024U10-E991	24	82 (25)	47.46 (70.63)	0.41 (10.4)	225 (1,000)	32 (144)	0.7%	84 (375)
FE22-024U10-E991	24	164 (50)	47.46 (70.63)	0.41 (10.4)	225 (1,000)	65 (289)	0.7%	169 (750)
FE23-024U10-E991	24	246 (75)	47.72 (71.02)	0.41 (10.4)	261 (1,159)	98 (435)	0.7%	253 (1,127)
FE24-024U10-E991	24	328 (100)	48.25 (71.80)	0.41 (10.4)	333 (1,479)	132 (587)	0.7%	327 (1,455)
FE25-024U10-E991	24	410 (125)	49.04 (72.97)	0.41 (10.5)	440 (1,959)	167 (743)	0.7%	406 (1,806)
FE26-024U10-E991	24	492 (150)	49.56 (73.75)	0.41 (10.5)	512 (2,279)	203 (903)	0.7%	495 (2,200)
FE27-024U10-E991	24	574 (175)	50.08 (74.53)	0.42 (10.6)	584 (2,598)	239 (1,063)	0.8%	554 (2,464)
FE28-024U10-E991	24	656 (200)	50.61 (75.31)	0.42 (10.6)	656 (2,918)	276 (1,230)	0.8%	641 (2,850)
FE29-024U10-E991	24	738 (225)	51.39 (76.48)	0.42 (10.7)	764 (3,398)	314 (1,399)	0.8%	730 (3,247)

Product Description

EnduraSpan™ ADSS is an All Dielectric Self Supporting (ADSS) cable suitable for aerial applications with span lengths from 25 meters (82 feet) to 400 meters (1312 feet). This black, PE-jacketed cable is UV-stabilized and water blocked for outdoor aerial applications. The loose tube design provides stable and highly reliable transmission parameters for a variety of voice, data, video and imaging applications. The high modulus aramid yarns provide high tensile strength and long-term reliability. See ADSS product matrix below.

Applications

- Low-voltage transmission and distribution system (space potential ≤12 kV)
- Railways, power and telecommunications pole routes
- Suitable for all types of aerial lines

Features

- Available in any fiber count of 6 to 288 fibers
- Dry core standard all dielectric
- PFM™ Gel-filled tubes
- Lower cost than Figure 8
- Custom print available
- Custom lengths, fiber counts and fiber types available

Benefits

- High fiber density
- Reduces cable prep time
- Reduced network cost
- Personalization

EnduraSpan™ ADSS

ADSS Product Matrix

Part Number	Fiber Count	Span ft (m)	Nominal Weight lbs/kft (kg/km)	Nominal Diameter in (mm)	MRCL lbs (N)	Initial Tension		
						Unloaded	Loaded	
						lbs (N)	sag %	lbs (N)
LIGHT NESC Loading District								
FE2A-024U10-E991	24	820 (250)	51.65 (76.87)	0.42 (10.7)	800 (3,558)	353 (1,568)	0.8%	782 (3,479)
FE2B-024U10-E991	24	902 (275)	51.95 (77.31)	0.42 (10.7)	902 (4,014)	389 (1,730)	0.8%	856 (3,806)
FE2C-024U10-E991	24	984 (300)	52.47 (78.09)	0.42 (10.7)	982 (4,367)	429 (1,908)	0.8%	940 (4,183)
FE2D-024U10-E991	24	1,066 (325)	53.00 (78.87)	0.42 (10.8)	1,061 (4,720)	468 (2,084)	0.9%	1,002 (4,458)
FE2E-024U10-E991	24	1,148 (350)	53.52 (79.65)	0.43 (10.8)	1,140 (5,073)	510 (2,268)	0.9%	1,087 (4,836)
FE2F-024U10-E991	24	1,230 (375)	54.05 (80.43)	0.43 (10.8)	1,220 (5,425)	552 (2,455)	0.9%	1,173 (5,220)
FE2G-024U10-E991	24	1,312 (400)	54.57 (81.21)	0.43 (10.9)	1,299 (5,778)	595 (2,647)	0.9%	1,261 (5,608)
FE21-036U10-E991	36	82 (25)	47.55 (70.76)	0.41 (10.4)	225 (1,000)	33 (145)	0.6%	90 (398)
FE22-036U10-E991	36	164 (50)	47.55 (70.76)	0.41 (10.4)	225 (1,000)	65 (289)	0.6%	179 (797)
FE23-036U10-E991	36	246 (75)	47.81 (71.16)	0.41 (10.4)	261 (1,159)	98 (436)	0.7%	254 (1,128)
FE24-036U10-E991	36	328 (100)	48.34 (71.94)	0.41 (10.4)	333 (1,479)	132 (588)	0.7%	327 (1,456)
FE25-036U10-E991	36	410 (125)	49.13 (73.11)	0.41 (10.5)	440 (1,959)	167 (744)	0.7%	406 (1,807)
FE26-036U10-E991	36	492 (150)	49.65 (73.89)	0.41 (10.5)	512 (2,279)	203 (905)	0.7%	495 (2,201)
FE27-036U10-E991	36	574 (175)	50.18 (74.67)	0.42 (10.6)	584 (2,598)	239 (1,065)	0.8%	554 (2,465)
FE28-036U10-E991	36	656 (200)	50.70 (75.45)	0.42 (10.6)	656 (2,918)	277 (1,232)	0.8%	641 (2,852)
FE29-036U10-E991	36	738 (225)	51.49 (76.62)	0.42 (10.7)	764 (3,398)	315 (1,401)	0.8%	730 (3,249)
FE2A-036U10-E991	36	820 (250)	51.75 (77.01)	0.42 (10.7)	800 (3,558)	353 (1,571)	0.8%	783 (3,482)
FE2B-036U10-E991	36	902 (275)	52.04 (77.45)	0.42 (10.7)	902 (4,014)	390 (1,733)	0.8%	856 (3,808)
FE2C-036U10-E991	36	984 (300)	52.57 (78.23)	0.42 (10.7)	982 (4,367)	430 (1,911)	0.8%	941 (4,186)
FE2D-036U10-E991	36	1,066 (325)	53.09 (79.01)	0.42 (10.8)	1,061 (4,720)	469 (2,088)	0.9%	1,003 (4,461)
FE2E-036U10-E991	36	1,148 (350)	53.62 (79.79)	0.43 (10.8)	1,140 (5,073)	511 (2,272)	0.9%	1,088 (4,839)
FE2F-036U10-E991	36	1,230 (375)	54.14 (80.57)	0.43 (10.8)	1,220 (5,425)	553 (2,460)	0.9%	1,174 (5,223)
FE2G-036U10-E991	36	1,312 (400)	54.66 (81.35)	0.43 (10.9)	1,299 (5,778)	596 (2,651)	0.9%	1,262 (5,612)
FE21-072U10-E991	72	82 (25)	56.50 (84.08)	0.43 (11.0)	346 (1,538)	39 (172)	0.7%	95 (422)
FE22-072U10-E991	72	164 (50)	56.50 (84.08)	0.43 (11.0)	346 (1,538)	77 (344)	0.7%	190 (843)
FE23-072U10-E991	72	246 (75)	56.50 (84.08)	0.43 (11.0)	346 (1,538)	116 (516)	0.7%	284 (1,265)
FE24-072U10-E991	72	328 (100)	56.76 (84.46)	0.43 (11.0)	380 (1,690)	155 (689)	0.8%	354 (1,576)
FE25-072U10-E991	72	410 (125)	57.53 (85.62)	0.44 (11.1)	483 (2,147)	196 (871)	0.8%	454 (2,021)
FE26-072U10-E991	72	492 (150)	58.05 (86.39)	0.44 (11.1)	551 (2,451)	238 (1,059)	0.8%	545 (2,424)
FE27-072U10-E991	72	574 (175)	58.57 (87.15)	0.44 (11.2)	619 (2,755)	280 (1,247)	0.8%	614 (2,731)
FE28-072U10-E991	72	656 (200)	59.34 (88.31)	0.44 (11.2)	722 (3,212)	324 (1,441)	0.8%	703 (3,126)
FE29-072U10-E991	72	738 (225)	60.11 (89.46)	0.44 (11.3)	825 (3,668)	369 (1,641)	0.8%	793 (3,527)
FE2A-072U10-E991	72	820 (250)	60.63 (90.22)	0.44 (11.3)	893 (3,973)	413 (1,836)	0.9%	867 (3,858)
FE2B-072U10-E991	72	902 (275)	60.92 (90.65)	0.45 (11.3)	991 (4,407)	456 (2,029)	0.9%	940 (4,183)
FE2C-072U10-E991	72	984 (300)	61.43 (91.42)	0.45 (11.4)	1,066 (4,743)	503 (2,237)	0.9%	1,038 (4,617)
FE2D-072U10-E991	72	1,066 (325)	61.95 (92.19)	0.45 (11.4)	1,142 (5,079)	549 (2,443)	0.9%	1,110 (4,939)
FE2E-072U10-E991	72	1,148 (350)	62.47 (92.96)	0.45 (11.4)	1,217 (5,414)	598 (2,659)	0.9%	1,209 (5,377)
FE2F-072U10-E991	72	1,230 (375)	63.50 (94.50)	0.45 (11.5)	1,368 (6,086)	645 (2,871)	0.9%	1,311 (5,832)
FE2G-072U10-E991	72	1,312 (400)	64.01 (95.26)	0.45 (11.5)	1,444 (6,421)	697 (3,100)	0.9%	1,383 (6,153)
FE21-096U10-E991	96	82 (25)	74.88 (111.43)	0.50 (12.7)	395 (1,755)	51 (228)	0.8%	110 (491)
FE22-096U10-E991	96	164 (50)	74.88 (111.43)	0.50 (12.7)	395 (1,755)	102 (456)	0.8%	221 (982)
FE23-096U10-E991	96	246 (75)	74.88 (111.43)	0.50 (12.7)	395 (1,755)	154 (683)	0.8%	331 (1,473)
FE24-096U10-E991	96	328 (100)	75.13 (111.80)	0.50 (12.7)	434 (1,929)	205 (912)	0.9%	401 (1,782)
FE25-096U10-E991	96	410 (125)	75.88 (112.92)	0.50 (12.8)	551 (2,450)	258 (1,150)	0.9%	516 (2,295)
FE26-096U10-E991	96	492 (150)	76.38 (113.66)	0.50 (12.8)	629 (2,797)	313 (1,393)	0.9%	617 (2,743)
FE27-096U10-E991	96	574 (175)	76.88 (114.40)	0.51 (12.8)	707 (3,144)	368 (1,636)	0.9%	697 (3,099)
FE28-096U10-E991	96	656 (200)	77.62 (115.52)	0.51 (12.9)	824 (3,665)	424 (1,885)	0.9%	795 (3,534)
FE29-096U10-E991	96	738 (225)	78.37 (116.63)	0.51 (12.9)	941 (4,186)	481 (2,138)	0.9%	911 (4,054)
FE2A-096U10-E991	96	820 (250)	78.87 (117.37)	0.51 (12.9)	1,019 (4,533)	537 (2,390)	1.0%	984 (4,376)
FE2B-096U10-E991	96	902 (275)	79.15 (117.79)	0.51 (13.0)	1,131 (5,029)	593 (2,637)	1.0%	1,060 (4,717)
FE2C-096U10-E991	96	984 (300)	79.65 (118.54)	0.51 (13.0)	1,217 (5,412)	652 (2,900)	1.0%	1,171 (5,210)
FE2D-096U10-E991	96	1,066 (325)	80.15 (119.28)	0.51 (13.0)	1,303 (5,795)	711 (3,161)	1.0%	1,253 (5,574)
FE2E-096U10-E991	96	1,148 (350)	80.65 (120.03)	0.51 (13.0)	1,389 (6,178)	771 (3,430)	1.0%	1,365 (6,072)
FE2F-096U10-E991	96	1,230 (375)	81.66 (121.52)	0.52 (13.1)	1,561 (6,944)	831 (3,695)	1.0%	1,479 (6,581)
FE2G-096U10-E991	96	1,312 (400)	82.16 (122.26)	0.52 (13.1)	1,647 (7,327)	893 (3,972)	1.0%	1,595 (7,095)

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ADSS Product Matrix

Part Number	Fiber Count	Span ft (m)	Nominal Weight lbs/kft (kg/km)	Nominal Diameter in (mm)	MRCL lbs (N)	Initial Tension		
						Unloaded	Loaded	
						lbs (N)	sag %	lbs (N)
LIGHT NESC Loading District								
FE21-144U10-E991	144	82 (25)	123.95 (184.46)	0.63 (16.1)	660 (2,938)	85 (377)	0.9%	150 (667)
FE22-144U10-E991	144	164 (50)	123.95 (184.46)	0.63 (16.1)	660 (2,938)	170 (754)	0.9%	300 (1,335)
FE23-144U10-E991	144	246 (75)	123.95 (184.46)	0.63 (16.1)	660 (2,938)	254 (1,131)	0.9%	450 (2,002)
FE24-144U10-E991	144	328 (100)	123.95 (184.46)	0.63 (16.1)	660 (2,938)	339 (1,508)	1.0%	570 (2,537)
FE25-144U10-E991	144	410 (125)	124.19 (184.82)	0.63 (16.1)	701 (3,118)	425 (1,889)	1.0%	697 (3,099)
FE26-144U10-E991	144	492 (150)	125.15 (186.25)	0.64 (16.2)	863 (3,838)	513 (2,281)	1.0%	828 (3,684)
FE27-144U10-E991	144	574 (175)	125.87 (187.31)	0.64 (16.2)	984 (4,379)	601 (2,674)	1.1%	961 (4,273)
FE28-144U10-E991	144	656 (200)	126.59 (188.38)	0.64 (16.2)	1,106 (4,919)	692 (3,079)	1.1%	1,087 (4,834)
FE29-144U10-E991	144	738 (225)	127.54 (189.81)	0.64 (16.3)	1,268 (5,640)	783 (3,484)	1.1%	1,243 (5,528)
FE2A-144U10-E991	144	820 (250)	128.02 (190.52)	0.64 (16.3)	1,349 (6,000)	875 (3,893)	1.1%	1,339 (5,954)
FE2B-144U10-E991	144	902 (275)	128.54 (191.28)	0.64 (16.3)	1,513 (6,732)	965 (4,292)	1.1%	1,456 (6,475)
FE2C-144U10-E991	144	984 (300)	129.50 (192.71)	0.64 (16.4)	1,692 (7,527)	1,058 (4,705)	1.1%	1,634 (7,268)
FE2D-144U10-E991	144	1,066 (325)	129.98 (193.43)	0.64 (16.4)	1,781 (7,924)	1,153 (5,127)	1.2%	1,706 (7,589)
FE2E-144U10-E991	144	1,148 (350)	130.94 (194.86)	0.65 (16.4)	1,960 (8,719)	1,247 (5,547)	1.1%	1,885 (8,386)
FE2F-144U10-E991	144	1,230 (375)	131.42 (195.58)	0.65 (16.4)	2,050 (9,117)	1,346 (5,987)	1.1%	1,999 (8,893)
FE2G-144U10-E991	144	1,312 (400)	132.39 (197.01)	0.65 (16.5)	2,228 (9,912)	1,442 (6,416)	1.1%	2,184 (9,716)
FE21-288U10-E991	288	82 (25)	150.55 (224.05)	0.73 (18.5)	514 (2,287)	103 (458)	1.0%	174 (773)
FE22-288U10-E991	288	164 (50)	150.55 (224.05)	0.73 (18.5)	514 (2,287)	206 (916)	1.0%	347 (1,546)
FE23-288U10-E991	288	246 (75)	150.79 (224.40)	0.73 (18.5)	546 (2,427)	309 (1,376)	1.0%	
FE24-288U10-E991	288	328 (100)	151.96 (226.15)	0.73 (18.6)	703 (3,128)	416 (1,849)	1.0%	533 (2,372)
FE25-288U10-E991	288	410 (125)	153.37 (228.25)	0.73 (18.6)	892 (3,970)	524 (2,330)	1.0%	693 (3,083)
FE26-288U10-E991	288	492 (150)	154.58 (230.04)	0.73 (18.7)	1,109 (4,931)	634 (2,818)	1.0%	866 (3,851)
FE27-288U10-E991	288	574 (175)	155.52 (231.45)	0.74 (18.7)	1,248 (5,550)	742 (3,300)	1.0%	1,058 (4,708)
FE28-288U10-E991	288	656 (200)	156.47 (232.85)	0.74 (18.7)	1,387 (6,169)	855 (3,805)	1.0%	1,205 (5,360)
FE29-288U10-E991	288	738 (225)	157.89 (234.97)	0.74 (18.8)	1,595 (7,097)	969 (4,310)	1.0%	1,362 (6,057)
FE2A-288U10-E991	288	820 (250)	158.83 (236.37)	0.74 (18.8)	1,735 (7,715)	1,082 (4,815)	1.1%	1,566 (6,967)
FE2B-288U10-E991	288	902 (275)	162.23 (241.42)	0.75 (19.0)	1,927 (8,572)	1,216 (5,408)	1.1%	1,695 (7,542)
FE2C-288U10-E991	288	984 (300)	163.41 (243.19)	0.75 (19.0)	2,071 (9,214)	1,340 (5,960)	1.1%	1,840 (8,184)
FE2D-288U10-E991	288	1,066 (325)	164.60 (244.96)	0.75 (19.0)	2,216 (9,857)	1,463 (6,508)	1.1%	2,048 (9,109)
FE2E-288U10-E991	288	1,148 (350)	166.98 (248.49)	0.75 (19.1)	2,505 (11,142)	1,585 (7,049)	1.1%	2,207 (9,816)
FE2F-288U10-E991	288	1,230 (375)	168.17 (250.26)	0.75 (19.2)	2,649 (11,785)	1,716 (7,634)	1.1%	2,419 (10,760)
FE2G-288U10-E991	288	1,312 (400)	169.35 (252.03)	0.76 (19.2)	2,794 (12,427)	1,850 (8,228)	1.1%	2,530 (11,253)
								2,750 (12,233)

