

FIBERLIGN® Dielectric Dead-end for ADSS

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

Dead-end component is required to transfer axial tensile loads and distribute radial compressive forces through the plastic jacket and onto the internal strength members without damaging the fragile plastic jacket or internal optical fibers.

Features

- Three types of Dead-ends offered: Limited Tension, Medium Tension and High Tension.
- Fittings and grounding accessories available and can be included in the same container with the suspension.

Documentation

Application Procedures

[SP-2732 \(Fiberlign Dielectric Dead-end ADSS\)](#)

Catalog Pages

[Fiberlign Dielectric Dead-end ADSS - Catalog](#)

Part Tables

Limited Tension Dead-ends				
Catalog Number*	Cable O.D. Range (inch)	Cable O.D. Range (mm)	Overall Length in. (m)	Color Code
2872001	.400-.424	10.1-10.7	48 (1.2)	Black
2872002	.425-.451	10.7-11.4	48 (1.2)	Yellow
2872003	.452-.481	11.4-12.2	48 (1.2)	Green
2872004	.482-.510	12.2-12.9	48 (1.2)	Orange
2872005	.511-.542	12.9-13.7	48 (1.2)	Blue
2872006	.543-.577	13.7-14.6	48 (1.2)	White
2872007	.578-.613	14.6-15.5	48 (1.2)	Red
2872008	.614-.651	15.5-16.5	48 (1.2)	Black
2872009	.652-.692	16.6-17.5	48 (1.2)	Yellow
2872010	.693-.737	17.5-18.7	48 (1.2)	Green
2872011	.738-.784	18.7-19.9	48 (1.2)	Orange
2872012	.785-.834	19.9-21.1	48 (1.2)	Blue
2872013	.835-.889	21.2-21.5	48 (1.2)	White
2872014	.890-.945	22.6-24.0	48 (1.2)	Red
2872015	.946-1.007	24.0-25.5	48 (1.2)	Black
2872016	1.008-1.073	25.6-27.2	60 (1.5)	Yellow
2872017	1.074-1.140	27.2-28.9	60 (1.5)	Green
2872018	1.141-1.212	28.9-30.7	60 (1.5)	Orange
2872019	1.213-1.288	30.8-32.5	60 (1.5)	Blue

*To include accessories in same carton, add suffix code(s) to Dead-end catalog number. Example: Cat. No. 2872001C1E1 includes Dead-end #2872001, TC-5F Thimble Clevis and Extension Link #71002366 in the same carton. See Dielectric Dead-end accessories in this section.

Medium Tension Dead-ends

Catalog Number	Cable O.D. Range (inch)	Cable O.D. Range (mm)	Overall Length in. (m)	Color Code
2872100	.482–.510	12.2–12.9	85 (2.2)	Orange
2872101	.511–.542	12.9–13.7	85 (2.2)	Blue
2872102	.543–.577	13.7–14.6	85 (2.2)	White
2872103	.578–.613	14.6–15.5	85 (2.2)	Red
2872104	.614–.651	15.5–16.5	85 (2.2)	Black
2872105	.652–.692	16.5–17.5	85 (2.2)	Yellow
2872106	.693–.737	17.6–18.7	85 (2.2)	Green
2872107	.738–.784	18.7–19.9	85 (2.2)	Orange
2872108	.785–.834	19.9–21.1	90 (2.3)	Blue
2872109	.835–.889	21.2–22.5	90 (2.3)	White
2872110	.890–.945	22.6–24.0	95 (2.4)	Red
2872111	.946–1.007	24.0–25.5	95 (2.4)	Black
2872112	1.008–1.073	25.6–27.2	97 (2.5)	Purple
2872113	1.074–1.140	27.2–28.9	100 (2.5)	Pink
2872114	1.141–1.212	28.9–30.7	103 (2.6)	Brown
2872115	1.213–1.288	30.8–32.5	105 (2.7)	Orange

Accessories

All Dielectric Dead-ends require a proper size and strength Thimble Clevis and may utilize an Extension Link.

To include accessories with Dead-end, add suffix code(s) to Dead-end catalog number.

Thimble Clevis:

Limited and Medium Tension Dead-ends require the Catalog No. TC-5F Thimble Clevis (Rated Strength 26,900# (119 kN)) suffix Code "C1" or Cat No. TC-5A Thimble Clevis (Rated Strength 12,000# (53 kN)). The galvanized ductile iron #TC-5F is standard with a 2-1/4" minimum seat and 7/8" minimum groove diameter. The aluminum #TC-5A is optional with the same dimensional characteristics.

High Tension Dead-ends require at least the 20,000# (89 kN) ATC-20M Thimble Clevis (code C2) or equal with 3" minimum seat and 1-1/2" minimum groove diameters. For higher loads, use the 42,400# (188 kN) TC-6F (code C4) galvanized iron Thimble Clevis or equal with 2-1/2" minimum seat diameter and 1-1/16" minimum groove diameter.

Extension Link:

An optional 15,000# (67 kN) 14" (356 mm) Extension Link with 5/8" Eye Nut (Cat. #71002366, code E1) is suggested and sometimes recommended by cable suppliers to increase the cable bending radius and reduce stress to the optical fibers at Dead-end locations. This link kit can be used with any type FIBERLIGN Dielectric Dead-end.

For higher loads, use the 25,000# (111 kN), 14" (356 mm) Extension Link (Cat.# LCE-66-14 or P/N 00060132 or code E2).

Loads up to 36,000 pounds can be handled with Cat. No. 000601325 (not shown).

Banding Bracket:

Dielectric Dead-ends can be banded to concrete or steel structures using the 12Klb Banding Bracket Kit (Cat. #710010745, code B1). The kit includes a 5/8"-11x2" long bolt, lockwasher, hex nut and banding bracket. This connects to the Extension Link with 5/8" eye nut referenced above (Cat #71002366). The bracket is rated for 12,000# (53 kN) and should be used with two high strength 1-1/4" steel bands (not supplied).



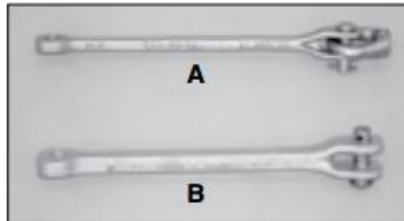
TC-5F Thimble Clevis (Code C1)



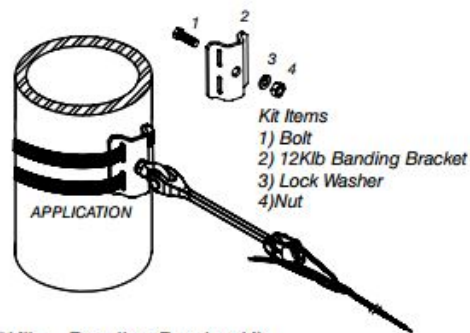
ATC-20M Thimble Clevis (Code C2)



TC-6F Thimble Clevis (Code C4)



- (A) 14" Extension Link with Eye Nut, 15K (Cat. No. 71002366, code E1)
- (B) 25K EXTENSION LINK (Cat. No. LCE-66-14, code E2)



12Klb Banding Bracket Kit (Cat. No. 710010745, code B1)