

FIBERLIGN[®] Formed Wire Dead-End for OPGW

Weight: 0.00kg

Dimensions: 0.00cm x 0.00cm x 0.00cm

Description

The **FIBERLIGN Formed Wire Dead-End** uses two helically shaped formed wire components: an inner layer of structural reinforcing rods (SRR) and an outer-layer dead-end component to distribute axial and compressive loads over the applied area of the OPGW. The distribution of these loads reduces stresses on the central core and optical fibers of the OPGW.

Features

- Standard Formed Wire Dead-Ends include right-hand lay SRR and a left-hand lay dead-end component
- A current transfer tab is included to provide a direct electrical bond between the OPGW and ground lead
- Current transfer tab is captured between the OPGW and the SRR. No additional fasteners are needed
- Current transfer tab has a hole diameter that accommodates a standard 1/2"-13 UNC bolt for compatible ground terminal attachments
- Thimble clevis is provided with each standard assembly to ensure proper long-term performance and support
- An optional ground wire assembly can be included with the formed wire dead-end
- SRR and dead-end components can only be reused once for retensioning after initial installation. Hardware components of the dead-end can be reused if they are in good condition.
- Dead-end components are made of corrosion-resistant materials

- The FIBERLIGN Formed Wire Dead-End has been thoroughly tested for vibration, mechanical loading, and optical attenuation in accordance with IEEE Standard 1138 and IEEE Standard 1591.1

Documentation Product Information

[FIBERLIGN Formed Wire Dead-End - Catalog Pages](#)

Installation Instructions

[SP-2866 \(FIBERLIGN Formed Wire Dead-End\)](#)

Part Tables

Catalog Number	Cable Diameter Range				Color Code	Component Rated Strength	Overall SRR Length		Useful Measurements for VORTX Damper Placement		
	Minimum	Maximum	Minimum	Maximum			lb	in	mm	SRR Rod Diameter	Dead-End Component Length "L1"
	(in)	(in)	(mm)	(mm)		in (mm)					
2890020C4	0.355	0.399	9.0	10.1	Blue	20,000	44	1.12	.144 (2.9)	34 (0.86)	37.0 (0.94)
2890001C4	0.400	0.449	10.2	11.4	Blue	20,000	49	1.24	.144 (2.9)	36 (0.91)	40.5 (1.03)
2890002C4	0.450	0.504	11.5	12.8	Red	25,000	54	1.37	.144 (2.9)	39 (0.99)	45.0 (1.14)
2890003C4	0.505	0.555	12.9	14.1	Orange	25,000	58	1.47	.144 (2.9)	42 (1.07)	47.5 (1.21)
2890004C4	0.556	0.610	14.2	15.5	Black	25,000	63	1.60	.128 (3.2)	45 (1.14)	51.1 (1.31)
2890005C4	0.611	0.680	15.6	17.2	Green	25,000	68	1.73	.128 (3.2)	49 (1.24)	56.0 (1.42)
2890006C4	0.681	0.755	17.3	19.1	Pink	25,000	85	2.16	.144 (3.7)	64 (1.63)	71.5 (1.82)
2890007C4	0.756	0.830	19.2	21.1	Yellow	25,000	91	2.31	.144 (3.7)	68 (1.73)	76.0 (1.93)
2890008C4	0.831	0.925	21.2	23.5	Brown	25,000	98	2.49	.144 (3.7)	73 (1.85)	81.5 (2.07)

2890009C 4	0.926	1.030	23.6	26.2	Purple	25,000	107	2.72	.144 (3.7)	79 (2.01)	89.5 (2.27)
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Videos

[Installation Video](#)

Accessories

Suffix Code*	Description
E2	14" Extension Link (Catalog no. 00060132), 25,000# ultimate rating.
S2	Anchor Shackle (Catalog. no. 72905001), 25,000# ultimate rating.
G	4' long #4 (7W) Copper Ground Wire with terminal on one end. 1/2"-13x1" long galvanized steel bolt, hex nut and lock washer are included for attachment.
GA	4' long 4/0 (7W) Aluminum Ground Wire with terminal on one end. 1/2"-13x1" long galvanized steel bolt, hex nut and lock washer are included for attachment.

*Add Suffix code to assembly catalog number to receive accessory