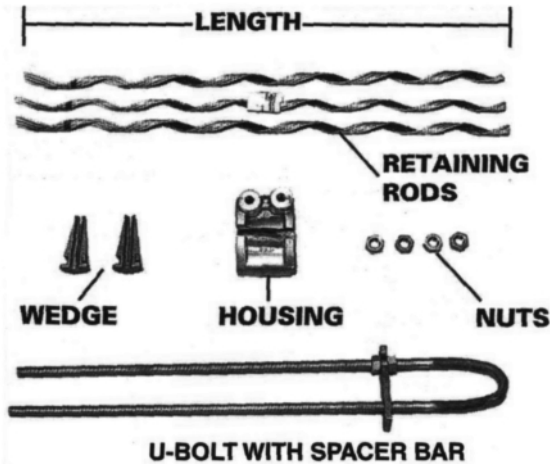


# FIBERLIGN® Dead-end Optical Ground Wire (OPGW)



U-Bolt with Spacer Bar

**Nuts:** Galvanized Steel.

**U-Bolts, Spacer Bar:** Galvanized Steel.

**Housing:** Galvanized Iron.

**Wedges:** Aluminum.

**Retaining Rods:** Aluminum Covered Steel, with Conductive Grit Applied.

## General Recommendations

The FIBERLIGN® Dead-end is designed to provide the required holding strength on Optical Ground Wire (OPGW) while minimizing any compression stresses that may be transferred to the optical elements within. The Retaining Rods act with the Wedge and Housing to distribute the axial and compressive loading over a large area of the OPGW.

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## FIBERLIGN® Dead-end Optical Ground Wire (OPGW)

The slotted Housing design allows for the application of the FIBERLIGN® Dead-end at any location on the OPGW.

Provisions for electrically bonding the OPGW to the supporting structure or ground lead are an integral part of the Housing.

The U-Bolt provides up to 450 mm of take-up to allow for tension adjustment without the need for external hardware such as a turnbuckle

**Catalogue No.:** FDE

**Rated Holding Strength:** Available on application dependent on design requirements. Generally, it will hold up to 95% of the RBS of the OPGW without damage or signal loss.

**Attachment Fittings:** Pin diameters of attachment fittings may range between 22 mm and 48 mm.

An acceptable attachment plate has the following dimensions:

PLATE THICKNESS	HOLE DIAMETER	CHAMBER	INSTALLATION CLEARANCE
27mm	25mm	3 mm x 115 mm	50mm



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