

# OPGW FITTINGS & CLOSURES

“ PLP has been committed to providing the electric and telecommunications industries with superior products for supporting and protecting their lines. ”

## OPGW FITTINGS & CLOSURES

- 92 FIBERLIGN® DEAD-END - GENERAL RECOMMENDATIONS
- 93 FIBERLIGN® SUSPENSION - GENERAL RECOMMENDATIONS
- 94 FIBERLIGN® CUSHION CLAMP - GENERAL RECOMMENDATIONS
- 95 FIBERLIGN® CABLE STORAGE BRACKET
- 96 COYOTE® SPLICE CASE SERIES - GENERAL RECOMMENDATIONS
- 97 COYOTE® SPLICE CASE - STAINLESS STEEL
- 97 COYOTE® RUNT - CLOSURE
- 98 POLE MOUNTING BRACKET
- 98 TOWER MOUNTING BRACKET FOR COYOTE® SPLICE CASE



# OPGW FITTINGS & CLOSURES



## FIBERLIGN® DEAD-END - GENERAL RECOMMENDATIONS



The FIBERLIGN Dead-end is designed to terminate Optical Ground Wire (OPGW) while minimizing any compression stresses that may be transferred to the core or optical elements within. The combination of retaining rods, wedge and housing distribute axial and compressive loading over a large area of the OPGW cable. Left-hand or right-hand lay style is provided to suit left-hand or right-hand lay OPGW respectively.

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

### **Integral bonding point:**

Provisions for electrically bonding the OPGW to the supporting structure or ground lead are an integral part of the housing. An earth bonding lead, pre-assembled with compression terminals, is included in the kit. This assembly can be connected from the FIBERLIGN Dead-end to the ground point in your system.

A second earth bonding lead can be connected for higher fault current requirement. Consult PLP for recommendations.

### **Sag Adjustment:**

The U-bolt provides up to 450 mm of take-up to allow for tension adjustment and extra clearance distance, without the need for additional hardware such as a turnbuckle or extension links.

- Product subject to cable design, constructions and testing.
- Contact PLP with project and cable specification for product recommendation.



# OPGW FITTINGS & CLOSURES



## FIBERLIGN® SUSPENSION - GENERAL RECOMMENDATIONS



The FIBERLIGN Suspension provides superior cable and fibre protection at the support point. The combination of structural reinforcing rods, outer rods, 'boltless' housing and resilient inserts reduces compression, clamping, and bending stresses on cable. Negative effects of wind-induced cable motion, such as aeolian vibration, galloping, and wind sway are also minimized.

Left-hand or right-hand lay style is provided to suit left-hand or right-hand lay OPGW respectively.

### **Integral grounding point:**

The current transfer tab provides direct electrical bonding between OPGW and a ground lead. The current transfer tab eliminates current transfer through components of the suspension unit.

### **Grounding wire assembly options:**

An earth bonding lead with compression terminal are provided. This assembly can be connected from the FIBERLIGN Suspension to the ground point in your system.

Higher fault current requirements can be accommodated by the use of a 'higher rated' current transfer tab or a second earth bonding lead. Consult PLP for recommendation.

### **Line Angles:**

The maximum recommended line angle for a single FIBERLIGN Suspension is 30°. For OPGW line angles between 30° and 60°, the FIBERLIGN Suspension: Double is recommended, although double dead-ending is another option.

- Product subject to cable design, constructions and testing.
- Contact PLP with project and cable specification for product recommendation.

# OPGW FITTINGS & CLOSURES



## FIBERLIGN® CUSHION CLAMP - GENERAL RECOMMENDATIONS



The FIBERLIGN® Cushion Clamp provides excellent protection to OPGW at support points. The combination of the Structural Reinforcing Rods and the elastomer inserts at the ends of the clamp body halves reduces bending stresses on the OPGW during aeolian vibration or galloping activity. The Cushion Clamp is designed to suit LV or HV power systems with spans up to 250m. For spans greater than 250m, FIBERLIGN® Suspension or support are recommended.

The Cushion Clamp can accommodate either left-hand lay or right-hand lay OPGW.

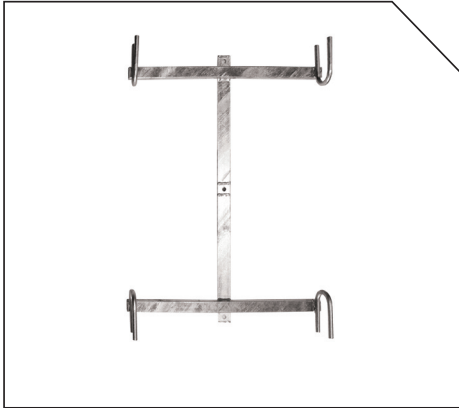
The maximum recommended line angle for a single FIBERLIGN® Cushion Clamp is 30°. For line angles up to 60°, the Double suspension cushion clamp is recommended.

- Product subject to cable design, constructions and testing.
- Contact PLP with project and cable specification for product recommendation.

# OPGW FITTINGS & CLOSURES



## FIBERLIGN® CABLE STORAGE BRACKET



Part Number	Conductor Bend Radius (mm)
OFSCCM-01	530

# OPGW FITTINGS & CLOSURES



## COYOTE® SPLICE CASE SERIES - GENERAL RECOMMENDATIONS



### **Versatile:**

The COYOTE® Closure is very versatile accommodating a wide variety of optical fibre cables. It effectively maintains an airtight, watertight seal around all types of fibre optic cable.

### **Easy to use:**

The COYOTE® Splice Case offers easy-to-use Lockbar™ fastening, reducing splice case installation and re-entry time. It can be easily re-entered without a special kit or special tools.

### **Secure:**

The splice case remains secure whether the application is overhead or underground. Mounting brackets for overhead installation are available for wood poles, concrete/steel poles or transmission towers. The COYOTE® Splice Case is packaged to order for each communication application.

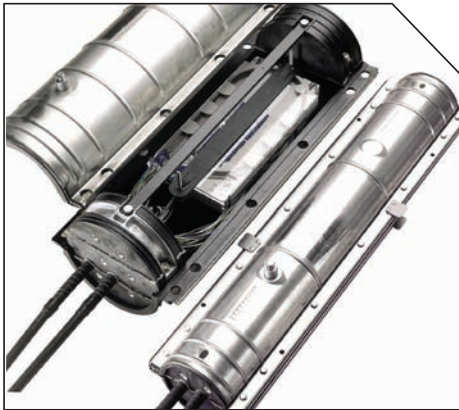
### **Features:**

- Maintains an airtight and watertight seal
- Corrosion resistant
- Sealing system eliminates drilling and 'heat shrink' requirements
- Rapid installation and re-entry without special tools
- Splicing up to 864 fibres
- Versatile fibre management system

# OPGW FITTINGS & CLOSURES



## COYOTE® SPLICE CASE - STAINLESS STEEL



FOR OPGW APPLICATIONS - 6.5" X 22" (165.1mm X 558.8mm)

### OPGW Kit Contents Include:

- Splice Trays – 24 fibres per tray standard
- Maximum of 5 standard trays – 120 fibres
- Maximum of 6 low profile trays – 144 fibres
- Tower or pole mounting bracket
- PLP lock tape sealing system with c-cement
- Strain relief bracket
- Applications procedure with every kit
- PLP future entry port



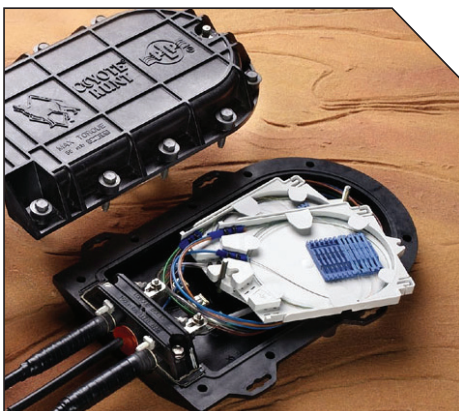
### Please contact PLP with the following information:

- Splice capacity required
- Loose or Uni-tube storage
- Number of entries – maximum of 4
- Cable diameters
- Strain relief bracket requirements
- Mounting hardware requirements
- Future entry port requirements
- Contact PLP for higher fibre capacity

### Other size stainless steel closures are available

- 6.5" x 22" (167.6 mm x 558.2 mm) - 180 max splice count (standard tray)
- 6.5" x 28" (165.1 mm x 711.2 mm) - 180 max splice count (standard trays)
- 8" x 28" (203.2 mm x 711.2 mm) - 252 max splice count (standard trays)
- 9.5" x 28" (241.3 mm x 711.2 mm) - 360 max splice count (standard trays)

## COYOTE® RUNT™ - CLOSURE



The compact COYOTE RUNT Closure is ideal for low fiber count, (up to 48 splices), end-of-the-line, node and fiber-to-the-curb installations. It will easily fit into most pedestals and hand holes, and the rugged design allows it to be used in all environments.

# OPGW FITTINGS & CLOSURES



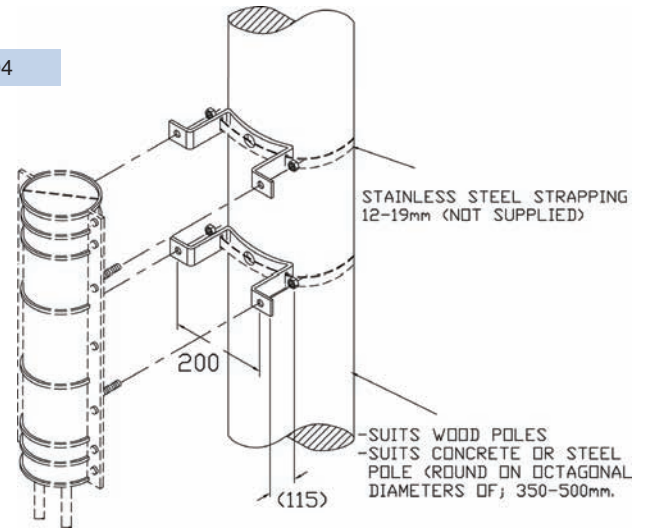
## POLE MOUNTING BRACKET



- Suitable for Wood, Concrete and Steel Poles
- Diameters of 350-500mm Standard
- 1 set includes 2 x brackets to install 1 COYOTE Splice Case

**Part Number**

OFSCMOUNT-04



## TOWER MOUNTING BRACKET FOR COYOTE® SPLICE CASE



- Suitable for all angle type tower construction
- 1 set includes 2 x brackets to install 1 COYOTE® Splice Case

Part Number	Tower Angle Size (mm)
OFSCM-05-01	45 – 100
OFSCM-05-02	110 – 150
OFSCM-05-03	160 – 200
OFSCM-05-04	210 - 250

