PLP PREFORMED LINE PRODUCTS AUSTRALIA

communications catalogue

communications
catalogue

Also available:

- Transmission Catalogue
- Substation Catalogue
- Distribution Catalogue

communications
catalogue

Preformed
Line Products
● ● ● ○ ○ ○

Preformed Line Products (PLP) has been supplying product to Australian power utilities for almost 50 years. Many of the original products are still to be found in the electricity network today, highlighting the exceptionally high quality standards that are expected and supplied.

The company has three major operating divisions, PLP which manufactures and carries a range of products for the power distribution, power transmission, substation and communications markets. Rack Technologies which has a range of cabinets and enclosures for the data communication, electronics, electrical and security markets and BlueSky Energy which offers solar power products and sustainable energy systems.

PLP's Australian operation boasts in-house manufacturing, engineering, testing, sales and administration. The modern manufacturing facility in the Sydney suburb of Glendenning includes wire forming, forging, casting, plastic moulding & extrusion, sheet metal work, powder coating and assembly. The manufacturing facility is supported by a modern toolroom which includes the latest CNC vertical machining centre, linked directly to the engineering office.

Sales & Service
Documentation
● ● ○ ○ ○ ○

Products that perform better, last longer and are easier to install - you can count on Preformed Line Products to provide high quality solutions that meet the rigorous demands of today's modern communications networks. We serve all segments of the communications industry including telecommunications network operators, cable television and broadband service providers, corporations and enterprise networks, government departments and agencies and educational institutions.

PLP offers innovative product solutions like the COYOTE® family of fiber optic splice closures, organizers and trays, and the ARMADILLO® family of copper splice closures and accessories. The reliability of our full line of fiber optic, copper, demarcation, bonding, strand and cable solutions, combined with our knowledgeable sales team and technical support services, make Preformed Line Products the connection you can count on.

Our technical support and customer service people are there when you need them – to assist in specifications, to work with you in the field and to help you with problems. And in the event of an emergency, we are there to make certain you immediately have the products, services and support you need to restore service to your customers quickly.

If you have a particular requirement, please do not hesitate to contact PLP on (02) 8805 0000.

Catalogue Content

“ *Preformed Line Products, the connection you can count on.* ”

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ph: (02) 8805 0000

Catalogue Prefix Index

"Providing high quality solutions that meet the rigorous demands of today's modern communications networks."

Fiberlign® Deadend

General Recommendations

The Fiberlign Deadend is designed to terminate Optical Ground Wire (OPGW) while minimising 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 Deadend 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 Deadend 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.

For Application Procedures, visit the PLP website.
www.preformed.com.au

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Fiberlign® Deadend

Fiberlign Deadend
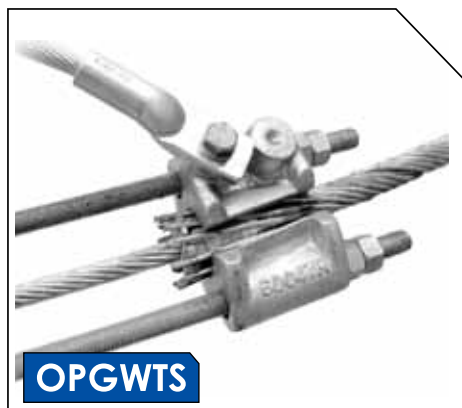
OPGWTS

Note: -2E Denotes 2 x earth bonding leads for high fault current OPGW

* Substiute L for left hand Lay conductors
* Substitute R for Right Hand Lay conductors

OPGWTS - Assembly contents

Wedge Type Deadend Assembly
70 kN Shackle
Earth bonding lead with lugs

Assembly Part Number	Cable Diameter Range (mm)	Colour Code
OPGWTS-0900*	9.00 - 9.49	Pink
OPGWTS-0950*	9.50 - 9.99	Orange
OPGWTS-1000*	10.00 - 10.39	Red
OPGWTS-1040*	10.40 - 10.79	Black
OPGWTS-1080*	10.80 - 11.29	Green
OPGWTS-1130*	11.30 - 11.69	Brown
OPGWTS-1170*	11.70 - 12.09	Purple
OPGWTS-1210*	12.10 - 12.59	Yellow
OPGWTS-1260*	12.60 - 12.99	Blue
OPGWTS-1300*	13.00 - 13.39	White
OPGWTS-1340*	13.40 - 13.89	Orange
OPGWTS-1390*	13.90 - 14.29	Red
OPGWTS-1430*	14.30 - 14.60	Black
OPGWTS-1461*	14.61 - 15.10	Green
OPGWTS-1511*	15.11 - 15.50	Brown
OPGWTS-1551*	15.51 - 15.99	Purple
OPGWTS-1600*	16.00 - 16.40	Yellow
OPGWTS-1641*	16.41 - 16.99	Blue
OPGWTS-1700*	17.00 - 17.20	White
OPGWTS-1721*	17.21 - 17.70	Orange
OPGWTS-1771*	17.71 - 18.00	Red
OPGWTS-1801*	18.01 - 18.50	Black
OPGWTS-1851*-2E	18.51 - 19.00	Brown
OPGWTS-1901*-2E	19.01 - 19.40	Purple
OPGWTS-1941*-2E	19.41 - 19.80	Purple
OPGWTS-1981*-2E	19.81 - 20.20	Yellow
OPGWTS-2021*-2E	20.21 - 20.70	Yellow
OPGWTS-2071*-2E	20.71 - 21.10	Blue
OPGWTS-2111*-2E	21.11 - 21.50	Blue
OPGWTS-2151*-2E	21.51 - 22.00	Orange
OPGWTS-2201*-2E	22.01 - 22.40	Orange
OPGWTS-22.41*-2E	22.41 - 22.80	Red
OPGWTS-2281*-2E	22.81 - 23.20	Red
OPGWTS-2321*-2E	23.21 - 23.80	Black

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 minimised.

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.

For Application Procedures, visit the PLP website.
www.preformed.com.au

Fiberlign® Suspension

Fiberlign® Suspension - Single

OPGWSS

Note:
* Substiute L for left hand Lay conductors
* Substitute R for Right Hand Lay conductors

-2E detontes 2x earth bonding leads

OPGWSS - Assembly contents

Suspension body
Structural rods
Outer rods
Current transfer tab with M16 Assembly
70 kN shackle
70 kN eye tongue
Earth bonding lead with lugs

Single Part Number	Double Part Number	Diameter Range (mm)	Colour Code Inner	Colour Code Outer
OPGWSS-0900*C	OPGWDSS-0900*	9.00 - 9.68	Blue	Blue
OPGWSS-0969*C	OPGWDSS-0969*	9.69 - 10.11	Green	Green
OPGWSS-1012*C	OPGWDSS-1012*	10.12 - 10.62	Yellow	Yellow
OPGWSS-1063*C	OPGWDSS-1063*	10.63 - 11.15	Black	Black
OPGWSS-1116*C	OPGWDSS-1116*	11.16 - 11.63	White	White
OPGWSS-1164*C	OPGWDSS-1164*	11.64 - 11.71	Purple	Orange
OPGWSS-1172*C	OPGWDSS-1172*	11.72 - 12.09	Purple	Purple
OPGWSS-1210*C	OPGWDSS-1210*	12.10 - 12.78	Orange	Orange
OPGWSS-1279*C	OPGWDSS-1279*	12.79 - 12.98	Red	Purple
OPGWSS-1299*C	OPGWDSS-1299*	12.99 - 13.61	Blue	Blue
OPGWSS-1362*C	OPGWDSS-1362*	13.62 - 14.20	Green	Green
OPGWSS-1421*C	OPGWDSS-1421*	14.21 - 14.35	Green	Green
OPGWSS-1436*C	OPGWDSS-1436*	14.36 - 14.55	Black	Black
OPGWSS-1456*C	OPGWDSS-1456*	14.56 - 15-19	Black	White
OPGWSS-1520*C	OPGWDSS-1520*	15.20 - 15-80	Brown	Brown
OPGWSS-1581*C	OPGWDSS-1581*	15.81 - 16.05	Red	Red
OPGWSS-1581*-2E	-	15.81 - 16.05	Red	Red
OPGWSS-1606*C	OPGWDSS-1606*	16.06 - 16.92	Red	Blue
OPGWSS-1606*-2E	-	16.06 - 16.92	Red	Blue
OPGWSS-1693*C	OPGWDSS-1693*	16.93 - 17.32	Yellow	Green
OPGWSS-1693*-2E	-	16.93 - 17.32	Yellow	Green
OPGWSS-1733*C	OPGWDSS-1733*	17.33 - 18.03	Yellow	Yellow
OPGWSS-1733*-2E	-	17.33 - 18.03	Yellow	Yellow
OPGWSS-1804*C	OPGWDSS-1804*	18.04 - 18.49	White	Black
OPGWSS-1804*-2E	-	18.04 - 18.49	White	Black
OPGWSS-1850*C	OPGWDSS-1850*	18.50 - 18.90	White	White
OPGWSS-1891*C	OPGWDSS-1891*	18.91 - 19.05	White	White

Fiberlign® Suspension - Double
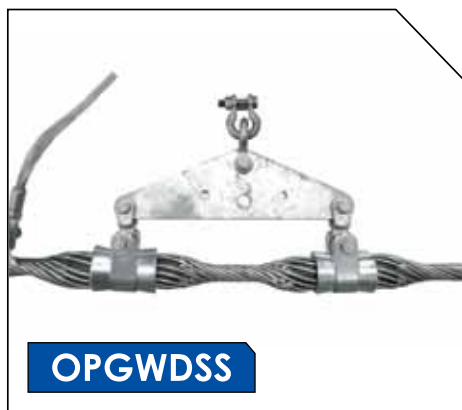
OPGWDSS

OPGWDSS - Assembly contents

Suspension body x2
Structural rods
Outer rods
Triangular yoke plate
Shackles x2
Clevis Tongue x2
Earth bonding lead with lugs and current transfer tab

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.

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

Line Angles:
The maximum recommended line angle for a single Fiberlign® Cushion Clamp is 30º. For line angles up to 60º, 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.

For Application Procedures, visit the PLP website.
www.preformed.com.au

ph: (02) 8805 0000

Fiberlign® Cushion Clamp

Fiberlign® Cushion Clamp Suspension

OPGWCCS

Note: -2E detontes 2x earth bonding leads

OPGWCCS - Assembly contents

Cushion Clamp
70kN shackle
Earth Bonding Lead

Assembly Part Number	Cable Diameter Range (mm)
OPGWCCS-090098	9.00 - 9.80
OPGWCCS-099109	9.90 - 10.90
OPGWCCS-110116	11.00 - 11.6
OPGWCCS-117122	11.70 - 12.20
OPGWCCS-123128	12.30 - 12.80
OPGWCCS-129136	12.90 - 13.60
OPGWCCS-137143	13.70 - 14.30
OPGWCCS-144148	14.40 - 14.80
OPGWCCS-149156	14.90 - 15.60
OPGWCCS-157163	15.70 - 16.30
OPGWCCS-164168	16.40 - 16.80
OPGWCCS-177183	17.70 - 18.30
OPGWCCS-184188	18.40 - 18.80
OPGWCCS-189196	18.90 - 19.60
OPGWCCS-197202-2E	19.61 - 20.20
OPGWCCS-209217-2E	20.90 - 21.70
OPGWCCS-232239-2E	23.20 - 23.90
OPGWCCS-256263-2E	25.60 - 26.30

Fiberlign® Double Cushion Clamp Suspension
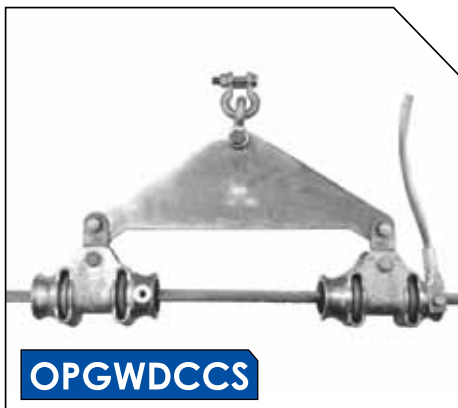
OPGWDCCS

OPGWDCCS - Assembly contents

Cushion Clamp x2
70kN shackle x2
Clevis Tongue x2
Triangular Yoke Plate
Earth Bonding Lead

Assembly Part Number	Cable Diameter Range (mm)
OPGWDCCS-090098	9.00 - 9.80
OPGWDCCS-099109	9.90 - 10.90
OPGWDCCS-110116	11.00 - 11.6
OPGWDCCS-117122	11.70 - 12.20
OPGWDCCS-123128	12.30 - 12.80
OPGWDCCS-129136	12.90 - 13.60
OPGWDCCS-137143	13.70 - 14.30
OPGWDCCS-144148	14.40 - 14.80
OPGWDCCS-149156	14.90 - 15.60
OPGWDCCS-157163	15.70 - 16.30
OPGWDCCS-164168	16.40 - 16.80
OPGWDCCS-177183	17.70 - 18.30
OPGWDCCS-184188	18.40 - 18.80
OPGWDCCS-189196	18.90 - 19.60
OPGWDCCS-197202-2E	19.61 - 20.20
OPGWDCCS-209217-2E	20.90 - 21.70
OPGWDCCS-232239-2E	23.20 - 23.90
OPGWDCCS-256263-2E	25.60 - 26.30

OPGW - Fiberlign®

Fiberlign® Repair Rod

OPGWRR

Note:
* Substiute L for left hand Lay conductors
* Substitute R for Right Hand Lay conductors

FIBERLIGN® Repair Rods are designd as a single component, outer layer assembly for use on OPGW. It is intended to repair the outer mechanical strand members on an OPGW cable. **This is not an optical repair product.**

These OPGW Repair Rods are not designed or tested as splices for use on all-metal overhead earth wire and are not intended for that application.

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

Assembly Part Number	Cable Diameter Range (mm)	Colour Code
OPGWRR-3600100*	8.90 - 9.70	Red
OPGWRR-3600101*	9.80 - 10.70	Black
OPGWRR-3600102*	10.80 - 11.60	Orange
OPGWRR-3600103*	11.70 - 12.80	Green
OPGWRR-3600104*	12.90 - 13.90	Blue
OPGWRR-3600105*	14.00 - 15.20	Yellow
OPGWRR-3600106*	15.30 - 16.70	Brown
OPGWRR-3600107*	16.80 - 18.20	Purple
OPGWRR-3600108*	18.30 - 19.90	Pink

Fiberlign® Cable Storage Bracket

OFSCCM

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

ph: (02) 8805 0000

OPGW - Fiberlign®

Fiberlign® Downlead Cushion

OFDLM

The Fiberlign® Downlead Cushion tower attachment will, with the change of only one component, fit any steel angle size to be found in a transmission line lattice-steel type tower without any drilling or other tower modification.

The actual clamping device will accommodate one or two OPGW or other cables as necessary. The base of the clamp is of diecast aluminium, whereas the top is a polymeric material. The base ensures electrical bonding of the OPGW and the top minimises compressive forces which could be transferred through to the optical elements of the cable.

Part Number	Cable Diameter Range (mm)	Tower Angle Width (mm)
OFDLM-01-A	9.50 - 11.80	45 - 100
OFDLM-01-B	11.90 - 14.30	45 - 100
OFDLM-01-C	14.40 - 16.60	45 - 100
OFDLM-01-D	16.70 - 19.10	45 - 100
OFDLM-02-A	9.50 - 11.80	110 - 150
OFDLM-02-B	11.90 - 14.30	110 - 150
OFDLM-02-C	14.40 - 16.60	110 - 150
OFDLM-02-D	16.70 - 19.10	110 - 150
OFDLM-03-A	9.50 - 11.80	160 - 200
OFDLM-03-B	11.90 - 14.30	160 - 200
OFDLM-03-C	14.40 - 16.60	160 - 200
OFDLM-03-D	16.70 - 19.10	160 - 200
OFDLM-04-A	9.50 - 11.80	210 - 250
OFDLM-04-B	11.90 - 14.30	210 - 250
OFDLM-04-C	14.40 - 16.60	210 - 250
OFDLM-04-D	16.70 - 19.10	210 - 250
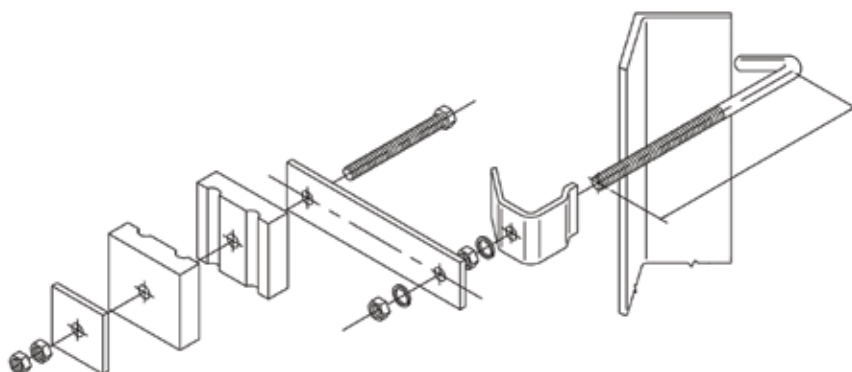
OPGW - Fiberlign®

Fiberlign® Downlead Cushion
For Concrete or Steel Poles

OFDLC

The Fiberlign® Downlead Cushion will accommodate one or two OPGW or other cables as necessary. The base of the clamp is of diecast aluminium, whereas the top is a polymeric material. The base ensures electrical bonding of the OPGW and the top minimises compressive forces which could be transferred through to the optical elements of the cable.

Part Number	Cable Diameter Range (mm)
OFDLC-8003041B	9.50 - 11.80
OFDLC-8003042B	11.90 - 14.30
OFDLC-8003043B	14.40 - 16.60
OFDLC-8003044B	16.70 - 19.10

Fiberlign® Downlead Cusion
With 45º Extension

OFDLM

- For extra extension and greater mobility.
- Available in either 2 or 4 cable clamping configuration.

Part Number Double Clampt	Part Number Quad Clamp	Cable Diameter Range (mm)	Tower angle width (mm)
OFDLM-01-A-2	OFDLM-01-A-4	9.50 - 11.80	45 - 100
OFDLM-01-B-2	OFDLM-01-B-4	11.90 - 14.30	45 - 100
OFDLM-01-C-2	OFDLM-01-C-4	14.40 - 16.60	45 - 100
OFDLM-01-D-2	OFDLM-01-D-4	16.70 - 19.10	45 - 100
OFDLM-02-A-2	OFDLM-02-A-4	9.50 - 11.80	110 - 150
OFDLM-02-B-2	OFDLM-02-B-4	11.90 - 14.30	110 - 150
OFDLM-02-C-2	OFDLM-02-C-4	14.40 - 16.60	110 - 150
OFDLM-02-D-2	OFDLM-02-D-4	16.70 - 19.10	110 - 150
OFDLM-03-A-2	OFDLM-03-A-4	9.50 - 11.80	160 - 200
OFDLM-03-B-2	OFDLM-03-B-4	11.90 - 14.30	160 - 200
OFDLM-03-C-2	OFDLM-03-C-4	14.40 - 16.60	160 - 200
OFDLM-03-D-2	OFDLM-03-D-4	16.70 - 19.10	160 - 200
OFDLM-04-A-2	OFDLM-04-A-4	9.50 - 11.80	210 - 250
OFDLM-04-B-2	OFDLM-04-B-4	11.90 - 14.30	210 - 250
OFDLM-04-C-2	OFDLM-04-C-4	14.40 - 16.60	210 - 250
OFDLM-04-D-2	OFDLM-04-D-4	16.70 - 19.10	210 - 250

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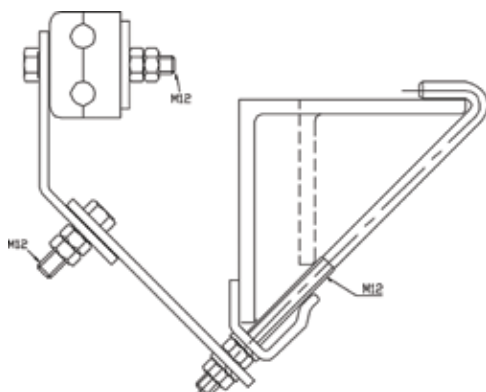
Coyote® Splice Case Series

General Recommendations

Versatile:
The Coyote® Closure Case 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

For Application Procedures, visit the PLP website.
www.preformed.com.au

Coyote® Splice Case Series

Stainless Steel For OPGW Applications - 6.5" x 22"

OPGW Kit Contents Include:
• Splice Trays – 12/24 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

Part Number

CSL***

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 higer fibre capacity

Other size stainless steel closures are available
• 6.6" x 22" - 180 max splice count (standard tray)
• 6.5" x 28" - 180 max splice count (standard trays)
• 8" x 28" - 252 max splice count (standard trays)
• 9.5" x 28" - 360 max splice count (standard trays)

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

STAINLESS STEEL STRAPPING 12-19mm (NOT SUPPLIED)

200

(115)

-SUITS WOOD POLES
-SUITS CONCRETE OR STEEL POLE (ROUND ON OCTAGONAL DIAMETERS OF) 350-500mm.

ph: (02) 8805 0000
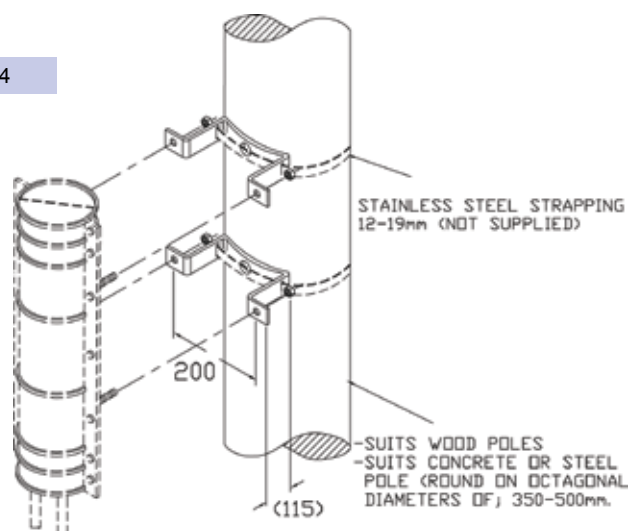
Coyote® Splice Case Mounting Hardware

Tower Mounting Bracket

OFSCM

- 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

Band Lock

BL
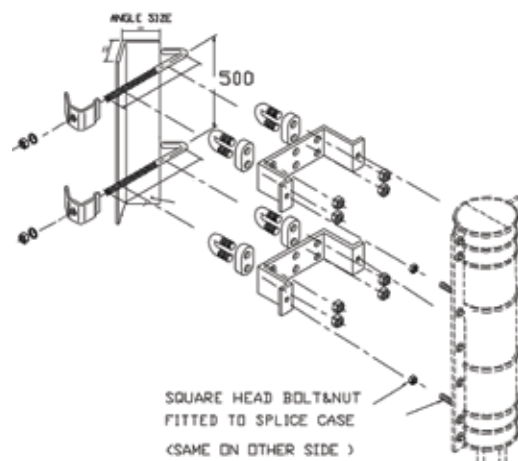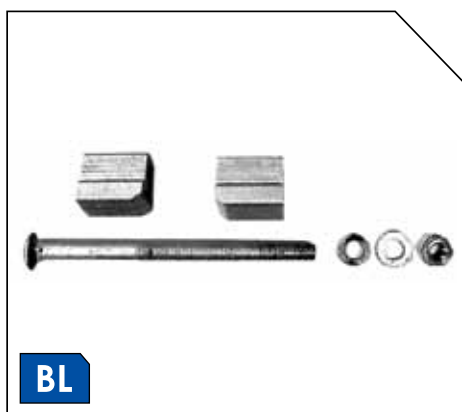
The PLP Band Strap System uses the unique Band Lock System to attach fittings safely and securely to steel or concrete poles.

Supplied as one unit, it does not require any special tools.

Quick and easy installation accepts 12, 16 or 19 mm stainless steel strapping.

Part Number
BL-10

Stainless Steel Strap

SSS
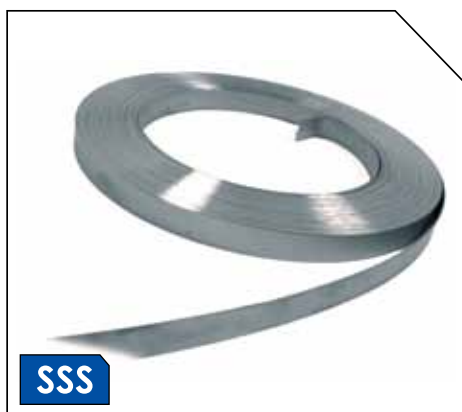
Stainless steel strap comes in 30m roll and available in a number of widths.

Part Number	Reel Length (mm)	Strap Width (mm)
SSS-12-H3016	30	12
SSS-16-H3019	30	16
SSS-19-H3022	30	19

For Application Procedures, visit the PLP website.
www.preformed.com.au

VORTX™
Stockbridge Damper

Aeolian Vibration is a high frequency low amplitude motion caused by smooth laminar winds passing across the line. When conductors or cables are exposed to this wind a phenomenon known as eddy shedding occurs. Eddy or Vortex shedding creates an alternating pressure imbalance inducing the conductor to move up and down at right angles to the direction of air flow. These vibrations take the form of discrete standing waves that can cause support hardware breakdown, conductor fatigue, abrasion and eventually conductor failure.

The VORTX™ Damper exceeds the two response performance with a multi-response design that effectively reduces vibration over a wider range of imposing frequencies. This is accomplished by a design that has unequal messenger strand lengths enhanced in most cases with unequal weights. The weight sizes and messenger strand lengths are matched to specific conductor/cable impedance and line operating conditions that achieve optimum performance.

Features:
- Contoured Clamp - Aluminum alloy extrusions offer a more "precision" fit to evenly capture the conductor. As a result, tightening the bolt brings the clamp components together with evenly distributed pressure along the conductor surface.

- Clamp Profile - The clamp profile is configured to hang from the conductor or cable during installation in accordance with IEC standards. Hands are free to wrench tighten and reach proper torque.

- Messenger Strand - Galvanised steel messenger strand absorbs the vibration energy efficiently with optimum manufacturing techniques.

- Weight - Galvanised modular iron weights hug the sides of the messenger strand, not enclosing it. The possibility of corrosion is reduced.

- Weight Attachment: - PLP offers a collet type or crimped attachment to secure the weights to the messenger. Both meet pull-off strength requirements in accordance with IEC and AS1154.1 standards without changing properties of the adjoining messenger.

PLP uses a proprietary computer program to make product recommendations for maximising damper performance. The program input considers many variables specific to individual lines, their designs, construction, and local operating conditions. The output recommendations include; specific model VORTX™ Damper, quantity and their placement location on the span.

For Application Procedures, visit the PLP website.
www.preformed.com.au

ph: (02) 8805 0000

VORTX™
Vibration Damper

VORTX™ Damper Selection Chart
For AAC, AAAC, ACSR and OPGW

VSD

* Represent dampers that in most cases are placed over Armor or Structural Rods.

Note: Final selection for weight combination at merging ranges are determined from conductor type and tension. Contact PLP technical support for further recommendations.

Step 1: Choose conductor diameter from range below

Step 2: Choose clamp size from range below i.e. total diameter including armor rods if applicable

Step 3: Choose Corresponding part number

Conductor Selection Choose Conductor Diameter		Clamp Range Choose overall Diameter		Part No.
min (mm)	max (mm)	min (mm)	max (mm)	
9.7	11.9	9.7	12.3	VSD-1012
		15.5	20.0	VSD-1020*
12.0	18.2	12.3	15.5	VSD-2016
		15.5	20.0	VSD-2020
		20.0	25.0	VSD-2025*
		25.0	32.0	VSD-2032*
18.3	21.7	15.5	20.0	VSD-2520
		20.0	25.0	VSD-2525
		25.0	32.0	VSD-2532*
21.8	24.9	20.0	25.0	VSD-3525
		25.0	32.0	VSD-3532*
		32.0	40.1	VSD-3540*
		40.1	50.0	VSD-3550*
25.0	33.9	25.0	32.0	VSD-4032
		32.0	40.1	VSD-4040
		40.1	50.0	VSD-4050*
		50.0	61.0	VSD-4061*
32.1	44.7	32.0	40.1	VSD-5040
		40.1	50.0	VSD-5050
		50.0	61.0	VSD-5061*

VORTX™ Damper Structural Rods

VDSR

For OPGW & high temperature conductors

Part Number	Cable Diameter Range (mm)	Rod Length (mm)	Standard Pack Quantity	Colour Code
VDSR-110	10.5 - 11.49	500	50	Green
VDSR-120	11.5 - 12.49	500	50	Purple
VDSR-130	12.5 - 13.79	500	50	Orange
VDSR-140	13.8 - 14.89	500	50	Blue
VDSR-150	14.9 - 15.49	500	30	Brown
VDSR-160	15.5 - 16.49	500	30	Yellow
VDSR-170	16.5 - 17.49	500	30	Red
VDSR-180	17.5 - 18.49	500	30	Yellow
VDSR-190	18.5 - 19.49	500	30	Yellow
VDSR-200	19.5 - 20.49	500	30	Yellow
VDSR-210	20.5 - 21.49	500	30	Blue
VDSR-320	31.5 - 32.49	700	30	Purple

Spiral Vibration Dampers

For OPGW Conductors

OFSVD

Made from high impact, UV resistant, polyvinyl chloride (PVC), they are non- corrosive and do not abrade the conductor or require engineering calculations for positioning. Vibration dampers are designed to reduce cable vibration at tangent supports and deadend positions. The degree of protection needed on a specific line depends upon a number of factors such as line design, temperature, tension, exposure to the wind flow and vibration history on similar constructions in the same area.

Part Number	Cable Diameter Range (mm)	Standard Pack Quantity	Colour Code
OFSVD-0102	4.42 - 6.34	60	Red
OFSVD-0103	6.35 - 8.29	60	Blue
OFSVD-0104	8.30 - 11.74	60	Black
OFSVD-0105	11.75 - 14.30	60	Yellow
OFSVD-0106	14.31 - 19.30	25	Green

For Application Procedures, visit the PLP website.
www.preformed.com.au

SPIRAL VIBRATION DAMPER PLACEMENT GUIDE

Span Length (m)	Standard SVD Quantities
0 - 244	2
245 - 488	4
489 - 732	6
733 - 976	8
977 - 1220	10

1. SVDs may be subset together in sets of up to 3 apiece; do not place more than 3 SVDs together in a subset as this can cause them to bind and reduce their overall effectiveness.

2. SVDs have the advantage of being placement independent and may be placed at either end of the span, or on both ends if so desired. However, please note that SVDs are designed to be placed directly on to the conductor or shield wire and not on to rods or attachment hardware. A general recommendation, place SVDs on the bare conductor or shield wire approximately one hand's width away from suspension rods, deadend rods, ties, etc.

3. Please consult PLP for recommendations when;
*   Flat open Terrain, river or gully crossings
*   Tensions are greater than 20% UTS
*   Aerial warning spheres are installed

ph: (02) 8805 0000

Fittings & Accessories

ADSS Fittings & Accessories

ADSS Fittings & Accessories

"We serve all segments of the communications industry including telecommunications network operators, government departments and agencies."

Fiberlign® Dielectric Deadend

General Recommendations

The Fiberlign Dielectric Deadend has been designed to securely, but gently, terminate All-dielectric Self-supporting (ADSS) aerial fibre optic cable. Two component design consisting of the appropriate size and length structural reinforcing rods and a deadend component to transfer tensile loads and distribute radial compressive forces through the plastic jacket and onto the internal strength members without damaging the fragile, internal optical fibres. A Lite deadend is also available for short low tension applications where a two component design would not be necessary.

Deadend design and performance depends upon a number of factors such as cable make and design, strength member construction, jacket type, tension load requirements, temperature and environmental operating conditions.

• **Lite Series**: only recommended for short slack spans of ADSS cable

• **Short Span Series**: recommended for ADSS spans up to 200m

• **Long Span Series**: are recommended for ADSS spans up to 600m
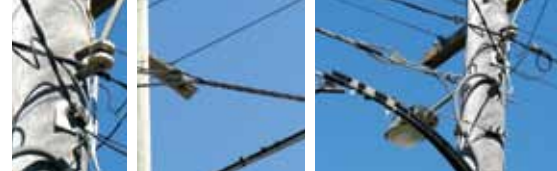
ph: (02) 8805 0000

Fiberlign® Dielectric Deadend

Fiberlign Dielectric Deadend - Lite Series

ADSSTS

Part Number	Conductor Diameter Range (mm)
ADSSTS-096-LITE	9.6 -10.8
ADSSTS-120-LITE	12.0 - 12.9
ADSSTS-160-LITE	16.0 - 16.9
ADSSTS-192A-LITE	19.2 - 20.8

Note: Does not include structural reinforcing rods and are only recommended for short slack spans of ADSS cable. Subject to ADSS cable design and operating conditions

Fiberlign Dielectric Deadend - Short Span Series

ADSSTS

Note: Recommended for ADSS spans up to 200m. Subject to ADSS cable design and operating conditions. May be used for "Medium Span" applications, contact PLP for recommendations.

Part Number	ADSS Diameter Range (mm)
ADSSTS-075-S	7.5 - 8.3
ADSSTS-084-S	8.4 - 9.2
ADSSTS-093-S	9.3 - 10.1
ADSSTS-102-S	10.2 - 10.8
ADSSTS-109-S	10.9 - 11.5
ADSSTS-116-S	11.6 - 12.3
ADSSTS-124-SG	12.4 - 12.9
ADSSTS-130-SG	13.0 - 13.7
ADSSTS-138-SG	13.8 - 14.6
ADSSTS-147-SG	14.7 - 15.3
ADSSTS-154-SG	15.4 - 16.0
ADSSTS-161-SG	16.1 - 16.9
ADSSTS-170-SG	17.0 - 17.9
ADSSTS-180-SG	18.0 - 18.9
ADSSTS-210-SG	21.0 - 21.9
ADSSTS-220-SG	22.0 - 22.9

Fiberlign Dielectric Deadend - Long Span Series

ADSSTS

Note: Recommended for ADSS spans up to 600m. Subject to ADSS cable design and operating conditions.

Part Number	ADSS Diameter Range (mm)
ADSSTS-116-LG	11.6 - 12.3
ADSSTS-124-LG	12.4 - 12.9
ADSSTS-130-LG	13.0 - 13.7
ADSSTS-138-LG	13.8 - 14.6
ADSSTS-147-LG	14.7 - 15.3
ADSSTS-154-LG	15.4 - 16.0
ADSSTS-161-LG	16.1 - 16.9
ADSSTS-170-LG	17.0 - 17.9
ADSSTS-180-LG	18.0 - 18.9
ADSSTS-190-LG	19.0 - 19.9
ADSSTS-200-LG	20.0 - 20.9
ADSSTS-210-LG	21.0 - 21.9
ADSSTS-220-LG	22.0 - 22.9

Fiberlign® Dielectric Suspension/Support

General Recommendations

The Fiberlign Dielectric Suspension is specifically designed for installation on ADSS cables. Due to the relatively fragile nature of the plastic jackets and non-metallic strength members of ADSS, special features are incorporated into the design of the Fiberlign Dielectric Suspension. Cushion inserts gently grip the ADSS cable and provide moderate slip strength without damaging the cable jacket. Products are available for both suspension and support applications from short spans and tensions to longer spans and higher tension applications. Structural reinforcing rods are also available in single and dual combinations with clamps designed for medium and long spans. Double suspension packages are available upon request for larger than normal turning angles.

• **Short Span Series**: recommended for ADSS spans up to 200m

• **Medium Span Series**: recommended for ADSS spans up to 350m

• **Long Span Series**: recommended for ADSS spans up to 600m

ph: (02) 8805 0000

Fiberlign® Dielectric Suspension/Support

Short Span Series

OFFDS2

The Fiberlign Dielectric Suspension/Support clamp is a new edition to PLP's ADSS hardware range of products and has been engineered to provide a multipurpose suspension or support clamp for ADSS cable. Cushion inserts gently grip the ADSS cable and provide moderate slip strength without damaging the cable jacket.

The dielectric material of the body provides a highly abrasion resistant surface that allows the body to be used as a stringing device.

"Short Span" Series are recommended for ADSS spans up to 200m. Subject to ADSS cable design and operating conditions.

Line Angles:
Maximum recommended line angle for the Fiberlign Dielectric Suspension/Support "Short Span" Series is 20°. Greater angles can be achieved by using the Fiberlign Dielectric Suspension/Support "Medium Span" and "Long Span" Series.

Part Number	Conductor Diameter Range (mm)	Thread Size (Support Bracket)
OFFDS2-070083	7.0 - 8.3	M16
OFFDS2-084095	8.4 - 9.5	M16
OFFDS2-096108	9.6 - 10.8	M16
OFFDS2-109121	10.9 - 12.1	M16
OFFDS2-120129	12.0 - 12.9	M16
OFFDS2-130139	13.0 - 13.9	M16
OFFDS2-140149	14.0 - 14.9	M16
OFFDS2-150159	15.0 - 15.9	M16
OFFDS2-160169	16.0 - 16.9	M16
OFFDS2-170179	17.0 - 17.9	M16
OFFDS2-180189	18.0 - 18.9	M16
OFFDS2-190199	19.0 - 19.9	M16
OFFDS2-200210	20.0 - 21.0	M16
OFFDS2-211229	21.1 - 22.9	M16
OFFDS2-230241	23.0 - 24.1	M16
OFFDS2-242254	24.2 - 25.4	M16
OFFDS2-255267	25.5 - 26.7	M16

Note: * Subject to ADSS cable design and operating condition.

Fiberlign®
Dielectric Suspension

Short Span Series

OFDSC

The Fiberlign Dielectric Suspension fitting is intended for use on All-dielectric Self-supporting (ADSS) optical fiber cables, typically installed on distribution power poles. Cushion inserts gently grip the ADSS cable and provide moderate slip strength without damaging the cable jacket.

"Short Span" Series are recommended for ADSS spans up to 200m. Subject to ADSS cable design and operating conditions.

Line Angles:
Maximum recommended line angle for the Fiberlign Dielectric Suspension/Support Short Span Series is 20°. Greater angles can be achieved by using the Fiberlign Dielectric Suspension/Support Medium Span and Long Span Series.

Part Number	Conductor Diameter Range (mm)
OFDSC-070083	7.0 - 8.39
OFDSC-084095	8.4 - 9.59
OFDSC-096108	9.6 - 10.89
OFDSC-109121	10.9 - 11.99
OFDSC-120125-3	12.0 - 12.99
OFDSC-130135-1	13.0 - 13.99
OFDSC-140145-3	14.0 - 14.99
OFDSC-150155-3	15.0 - 15.99
OFDSC-160165-1	16.0 - 16.99
OFDSC-170177-1	17.0 - 17.99
OFDSC-180185	18.0 - 18.99
OFDSC-190195	19.0 - 19.99
OFDSC-200210	20.0 - 21.09
OFDSC-211221	21.1 - 22.19
OFDSC-222231	22.2 - 23.19

Note: * Subject to ADSS cable design and operating condition.

ph: (02) 8805 0000

Fiberlign®
Dielectric Suspension

Medium Span Series

OFDSA

Incorporating structural reinforcing rods along with the cushion inserts. The ADSS cable is gently gripped while still achieving moderate slip strength without damaging the cable jacket.

"Medium Span" Series are recommended for ADSS spans up to 350m. Subject to ADSS cable design and operating conditions.

Line Angles:
Maximum recommended line angle for a single Fiberlign Dielectric Suspension/Support "Medium Span" Series is 30°. For turning angles up to 60° the double suspension is recommended, please contact PLP for support.

Part Number	Conductor Diameter Range (mm)
OFDSA-124129	12.4 - 12.99
OFDSA-130137	13.0 - 13.79
OFDSA-138146	13.8 - 14.69
OFDSA-147153	14.7 - 15.69
OFDSA-154160	15.4 - 16.09
OFDSA-161169	16.1 - 16.99
OFDSA-170179	17.0 - 17.99
OFDSA-180189	18.0 - 18.99
OFDSA-190199	19.0 - 19.99
OFDSA-200209	20.0 - 20.99
OFDSA-210219	21.0 - 21.99

Note: * Subject to ADSS cable design and operating condition.

Fiberlign®
Dielectric Suspension

"Long Span" Series

OFSAG
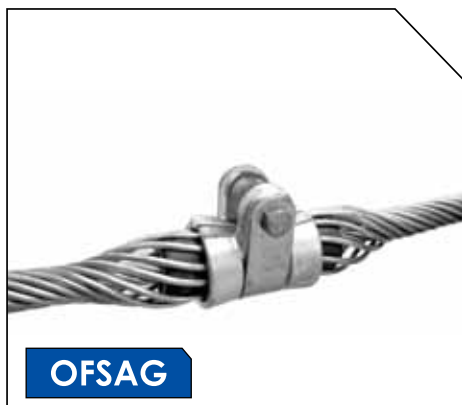
The unit uses the concept of a combination of structural reinforcing rods, outer rods, 'bolted' housing and resilient cable inserts to reduce compression clamping and bending stress on the cable and glass fibers. Effects of wind-induced cable motions such as Aeolian vibration, galloping and wind sway are also minimized.

The double layer of rods also offers critical protection against tearing of the plastic jacket during unbalanced longitudinal loading of the cable while providing substantial holding strength. This holding strength can vary according to cable brand, jacket type, operating temperature and other factors.

Long Span Series are recommended for ADSS spans up to 600m. Subject to ADSS cable design and operating conditions.

Line Angles:
Maximum recommended line angle for a single Fiberlign Dielectric Suspension/Support "Long Span" Series is 30°. For turning angles up to 60° the double suspension is recommended, please contact PLP for support.

Part Number	Conductor Diameter Range (mm)
OFSAG-104	10.4 - 11.0
OFSAG-111	11.1 - 11.6
OFSAG-117	11.7 - 12.1
OFSAG-121	12.2 - 12.9
OFSAG-130	13.0 - 13.9
OFSAG-136	14.0 - 14.5
OFSAG-146	14.6 - 15.0
OFSAG-151	15.1 - 15.7
OFSAG-158	15.8 - 16.3
OFSAG-164	16.4 - 17.0
OFSAG-171	17.1 - 17.5
OFSAG-176	17.6 - 18.0
OFSAG-181	18.1 - 18.5
OFSAG-186	18.6 - 19.0
OFSAG-191	19.1 - 19.5
OFSAG-196	19.6 - 20.1
OFSAG-202	20.2 - 20.9
OFSAG-210	21.0 - 21.3
OFSAG-214	21.4 - 22.0
OFSAG-221	22.1 - 22.5
OFSAG-226	22.6 - 23.0

ph: (02) 8805 0000

Fiberlign® Spiral Vibration Dampers

For ADSS

OFSVD

The Fiberlign® Spiral Vibration Damper effectively reduces levels of Aeolian vibration on ADSS cables without the need to calculate precise positioning. Each Fiberlign® Spiral Vibration Damper has a helically formed dampening section that contacts the cable to dissipate the vibration wave. A smaller gripping section gently grips the cable so that cable and fiber are not damaged or distorted and there is no optical signal loss. ADSS cables tend to vibrate with less wind energy input as compared to other cables of comparable size, mainly due to their relatively lighter weight. The degree of protection needed for a specific application depends on a number of factors such as cable type, line design, temperature, tension and exposure to wind flow.

Part Number	Conductor Diameter Range (mm)	Standard Pack Qty	Colour Code	Material
OFSVD-0103-B	6.35 - 8.29	60	blue	Black PVC
OFSVD-0104-B	8.30 - 11.74	60	black	Black PVC
OFSVD-0105-B	11.75 - 14.30	60	yellow	Black PVC
OFSVD-0106-B	14.31 - 19.30	40	green	Black PVC
OFSVD-0108	19.58 - 22.25	25	-	Grey PVC
OFSVD-0109	22.25 - 25.5	25	-	Grey PVC

For Application Procedures, visit the PLP website.
www.preformed.com.au

SPIRAL VIBRATION DAMPER PLACEMENT GUIDE

Span Length (m)	Standard SVD Quantities
<50	0
50-150	2
150-350	4
350-550	6
550 - 700	8
700 - 850	10
850 - 1000	12
1000 - 1150	14

1. SVDs may be subset together in sets of up to 3 apiece; do not place more than 3 SVDs together in a subset as this can cause them to bind and reduce their overall effectiveness.

2. SVDs have the advantage of being placement independent and may be placed at either end of the span, or on both ends if so desired. However, please note that SVDs are designed to be placed directly on to the conductor or shield wire and not on to rods or attachment hardware. A general recommendation, place SVDs on the bare conductor or shield wire approximately one hand's width away from suspension rods, dead-end rods, ties, etc.

3. Please consult PLP for recommendations when;
*   Flat open Terrain, river or gully crossings
*   Tensions are greater than 20% UTS
*   Aerial warning spheres are installed

Fiberlign® Downlead Cusion

For Concrete/Steel and Wood Poles

OFDLC

The Fiberlign® Downlead Cushion will accommodate one or two OPGW or ADSS conductors. The base of the clamp is of diecast aluminium, whereas the top is a polymeric material. The base ensures electrical bonding of the OPGW/ADSS and the top minimises compressive forces which could be transferred through to the optical elements of the cable.

Part Number Wood Poles	Part Number Concrete Poles	Colour Code
OFDLC-8003041	OFDLC-8003041A	9.5 - 11.8
OFDLC-8003042	OFDLC-8003042A	11.9 - 14.3
OFDLC-8003043	OFDLC-8003043A	14.4 - 16.6
OFDLC-8003044	OFDLC-8003044A	16.7 - 19.1
OFDLC-8003052	OFDLC-8003052A	19.2 - 21.5
OFDLC-8003256	OFDLC-8003256A	21.6 - 24.1
OFDLC-8003257	OFDLC-8003257A	24.2 - 26.6
OFDLC-8003379	OFDLC-8003379A	26.7 - 30.2
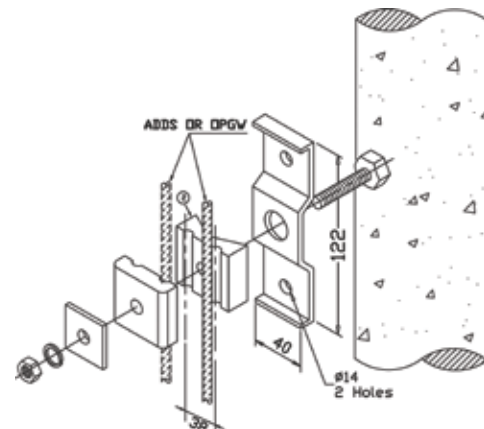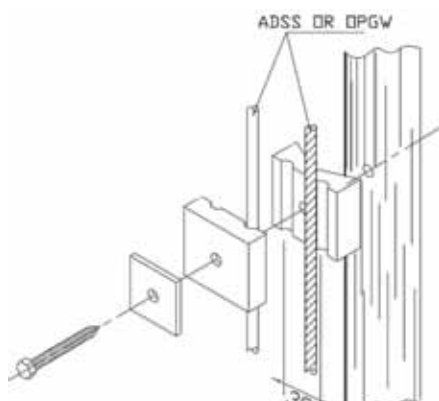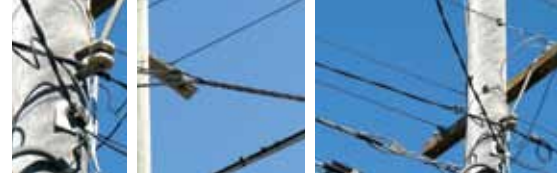
Fiberlign® Cable Abrasion Protector

For ADSS

PTG

The Fiberlign® Cable abrasion protector is intended to protect the ADSS cable jacket from abrasion from structures, trees or other cables. It is made from black, low density polyethylene for low cost and superior abrasion resistance.

The tube may be cut in the field to accommodate specific length needs.

Part Number	Diameter Range (mm)	Protector ID (mm)	Protector Length (mm)
PTG-0201	6.04-12.7	12.7	1800
PTG-0203	12.8-25.4	25.4	1800
PTG-0203-0900	12.8 - 25.4	25.4	900
PTG-0205	25.6-38.1	38.1	1800

Fiberlign ADSS Cable Storage Bracket

OFSCCM

The Fiberlign Cable Storage Bracket is designed to store excess ADSS or underground fibre optic cable. Excess cable can be utilised for future loop joints or T-offs. Two size available to cater for allowable minimum bend radius of fibre optic cable.

• Standard: Galvanised steel finish
• For Plastic coating finish, contact PLP

Part Number	Minimum Bend Radius (mm)
OFSCCM-02-250	250
OFSCCM-02-400	400

Figure 8 Lashed Cable

"*Our knowledgeable sales team and technical support services, make Preformed Line Products the connection you can count on.*"

PLP® IBC Bracket

IBC Termination Assembly
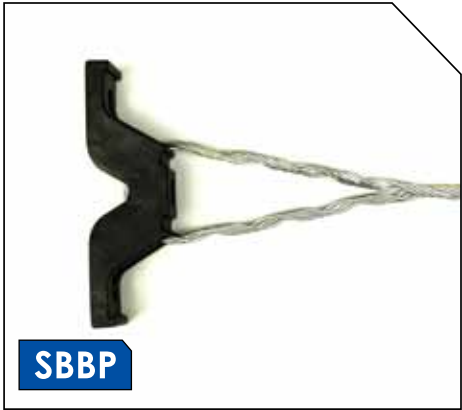
SBBP

For Integral Bearer Cable/Figure 8 Cable

The PLP IBC Bracket is designed to support and terminate IBC communications cable, typically installed on distribution power poles.

Part Number	Bare Strand Diameter Range (mm)
SBBP-025	2.4 - 2.6
SBBP-038	3.6 - 3.8
SBBP-043	4.2 - 4.4
SBBP-048	4.7 - 4.9
SBBP-060	5.6 - 6.1

IBC Support Assembly

SBP
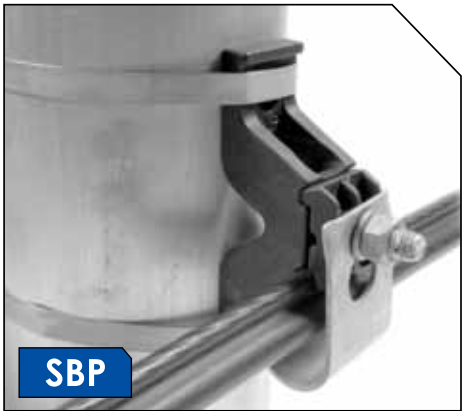
Part Number	Covered Strand Diameter Range (mm)
SBP - 01	5 - 8

ph: (02) 8805 0000

PREFORMED™ Termination

For Figure 8 or Lashed Cable Applications

S424

The PREFORMED™ Termination is a strand terminating device which is used by hundreds of electric power utilities, telephone companies, CATV companies and government installations throughout the world. PREFORMED™ Termination provide a superior, as well as economical way to secure guy by using a proven helical concept that provides a constant radial gripping force on the strand.

PREFORMED™ Terminations are made from the same basic material as the strand to reduce the possibility of electro-galvanic-corrosion.

Part Number	Strand Diameter Range (mm)
S424-00130-Blue	1/2.50mm
S424-00127-Green	7/1.25mm
S424-00128-Black	7/1.60mm
S424-00129-Yellow	7/2.00mm
GFG-060-LH*	7/2.00mm

- Material: Galvanised Steel.
- Lay: to suit right hand lay strand.
- * Lay: to suit left hand lay strand.

Fiberlign® Dielectric Suspension

Figure 8 Suspension Clamp

The Fiberlign Dielectric Suspension fitting is intended for use on (Figure 8) optical fiber cables, typically installed on distribution power poles. Cushion inserts gently grip the Figure 8 cable and provide moderate slip strength without damaging the cable jacket.

"Short Span" Series are recommended for Figure 8 spans up to 200m. Subject to Figure 8 cable design and operating conditions.

Line Angles:
Maximum recommended line angle for the Fiberlign Dielectric Suspension/Support Short Span Series is 20°. Greater angles can be achieved by using the Fiberlign Dielectric Suspension/Support Medium Span and Long Span Series.

Contact PLP for specific applications.

Figure 8 BPC (Bearer Pin Clamp)

BPC
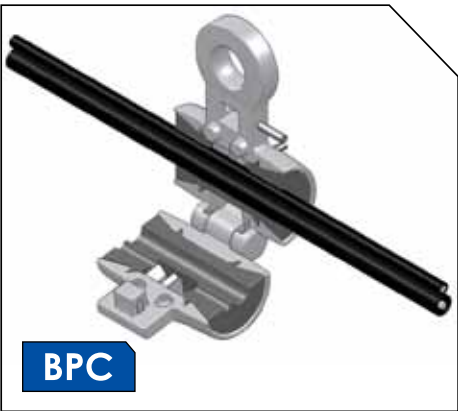
The Fiberlign BPC is design for short urban spans of figure 8 fibre optic cable. The clamp is manufactured from 30% glass filled nylon for superior strength and longevity. Neoprene inserts gently grip the figure 8 cable and provide adequate slip strength without compromising the cable jacket. Installation time is dramatically reduced with the clip/ pin design, requiring next to no tools for installation.

Line Angles:
Maximum recommended line angle for the BPC is 20° in total. Double suspension clamps can be used for greater turning angles.

Part Number	Figure 8 Fibre Count
BPC-072	72
BPC-144	144

Contact PLP for specific applications.

ph: (02) 8805 0000

Fiberlign® Drop Wire Clamp

Drop Wire Clamp

DWC

The multi-purpose drop wire clamp is designed as an economical solution to securely terminate drop service cables. Made from aluminium or stainless steel the clamp can be used in all environments for a range of load conditions.

Part Number	Material	Cable Height (mm)	Cable Width (mm)
PUSU-DWC-44441	Aluminium	5.1 Max	10.4 Max
PUSU-DWC-88881	Stainless Steel	5.1 Max	10.4 Max
PUSU-DWC-82351	Aluminium	7.6 Max	12.7 Max

Drop Fibre Termination

DFT
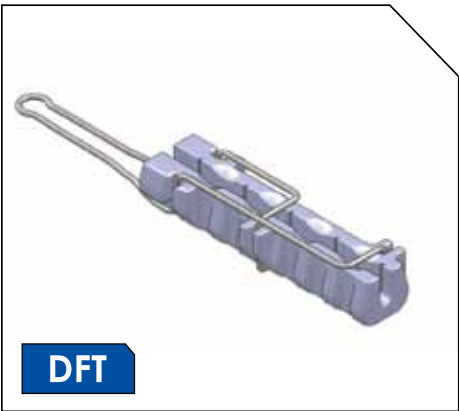
- Designed for fibre optic drop wires to the premise.

- Provides an economical design with reduced installation time.

- Cable is easily installed by pushing firmly into the keeper

- No tools required

- Constructed from glass filled nylon and stainless steel

Part Number
DFT-A

Contact PLP for specific applications.

PREFORMED™ Strand Splice

For SC/GZ

GFS
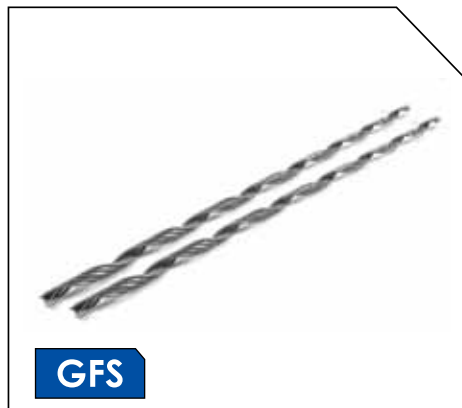
Preformed Strand Splices are used to repair strand or messenger cable simply and economically. Because of its superior design, the Preformed Strand Splice provides maximum strength and excellent fatigue characteristics, resulting in longer life for both strand and messenger.

Part Number	Strand Diameter (mm)
GFS-025	2.4 - 2.6
GFS-038	3.6 - 3.8
GFS-043	4.2 - 4.4
GFS-048	4.7 - 4.9
GFS-060	5.9 - 6.1
GFS-060-LH*	5.9 - 6.1

- Material: Galvanised Steel.
- Lay: to suit right hand lay strand.
- * Lay: to suit left hand lay strand.

PREFORMED™ Lashing Rod

Lashing Rod

GLR

Preformed Lashing Rods can be used on all types of messengered overhead cables. They are particularly adaptable to spans obstructed by trees, short spans over traffic intersections, or repairing existing installations. Once applied they provide a permanently snug and secure fit. The factory preformed helical rods have an overall low cost with simple installation that requires no special tools or lashing machines.

| Part Number (Standard)	Part Number (Coated)	Conductor Diameter Range (mm)	Standard Pack Quantity	Colour Code
GLR-10-11	GLR-10-11C	10.00 - 11.00	100	Yellow
GLR-15-17	GLR-15-17C	15.00 - 17.00	100	Red
GLR-171190	GLR-171190C	17.10 - 19.00	200	Black
GLR-191213	GLR-191213C	19.10 - 21.30	200	Red
GLR-214239	GLR-214239C	21.40 - 23.90	200	White
GLR-240266	GLR-240266C	24.00 - 26.60	200	Orange
GLR-267297	GLR-267297C	26.70 - 29.70	200	Green
GLR-298332	GLR-298332C	29.80 - 33.20	200	Yellow
GLR-333371	GLR-333371C	33.30 - 37.10	200	Purple
GLR-372414	GLR-372414C	37.20 - 41.40	100	Red
GLR-415462	GLR-415462C	41.50 - 46.20	200	White
GLR-463518	GLR-463518C	46.30 - 51.80	100	Orange

Size Selection

In selecting the proper size lashing rod it is necessary to determine the smallest circumscribing circle that will enclose the messenger and cables.

For most installations, one Lashing Rod should be applied, overlapping one pitch length with each successive rod. Two Lashing Rods, applied 180° apart, are recommended when the cable-messenger assembly weighs more than 12 kg per metre, or at installation where the angle of sag exceeds 20° from the horizontal.

One Cable
For grouping only one cable with a messenger, add the diameters and multiply by a factor of 0.850

$C = (D + m) \times 0.85$
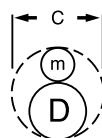
Three Cable
For grouping three equal diameter cables; multiply the diameter of one cable by a factor of 2.155. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable by a factor of 0.483

$C = D \times 2.155$
$m = D \times 0.483$

Unequal Diameter Cable
For grouping unequal diameter cables, or messengers too large to fit into the interstices above, the minimum diameter grouping can best be determined by a graphic layout to scale.

Two Cable
For grouping two equal diameter cables; multiply the diameter of one cable by a factor of 2.00. Then find the diameter of the maximum messenger that will fit in the interstices of the cables, and multiply the diameter of one cable by a factor of 0.666.

$C = D \times 2.00$
$m = D \times 0.666$

Four Cable
For grouping four equal diameter cables; multiply the diameter of one cable by a factor of 2.414. Then to find the diameter of the maximum messenger that will fit in the interstices of the cables, multiply the diameter of one cable by a factor of 0.414

$C = D \times 2.414$
$m = D \times 0.414$

Fibre Optic Enclosures

FIBRE OPTIC ENCLOSURES

"Innovative product solutions like the COYOTE® family of fiber optic splice closures, organizers and trays, and the ARMADILLO® family of copper splice closures and accessories."

FibreGuard™
Closures Series

General Recommendations
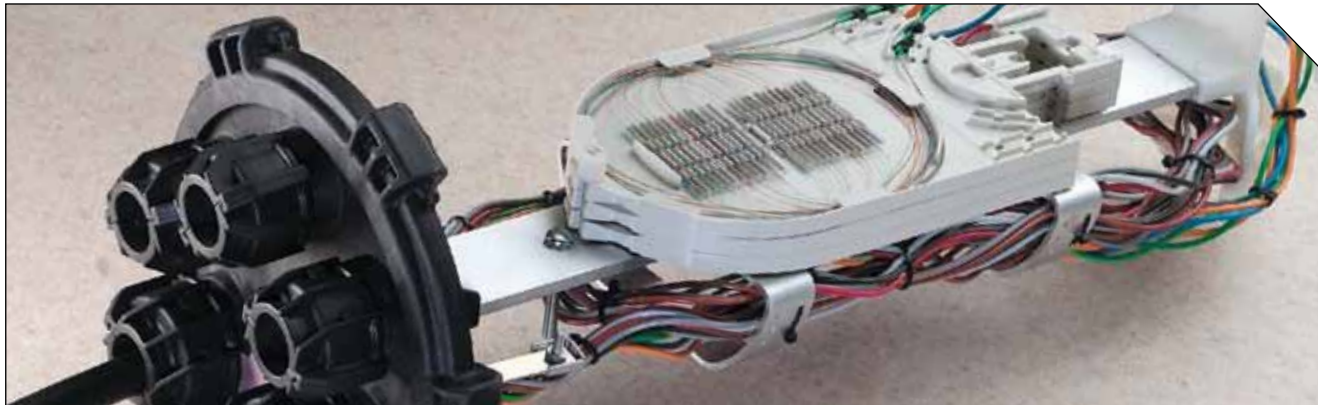
The FibreGuard™ Closure is a series of DOME style closures to suit small, medium and large fibre count. With the quick re-entry base, multi-cable entry brommets and mechanical cable gland seal, this is a true Ready Access closure catering for the backbone, metropolitan and access networks.

The closure come complete with Slide-N-Lock™ Fibre Tray and buffer tube storage for Loop/Express cable/s. The closure shell is made of UV resistant thermoplastic with internation protection rating of IP67/8 ready for aerial or underground installations. Pole mounting brackets and accessories are available and the closure can be padlocked.

Key Features:
• Accepts a Wide Range of Fibre Management Systems
• Ready Access (10 Second Entry) Re-Usable
• Mechanical Cable and Closure Sealing System
• Extensive Range of Cable Sizes Accepted
• Split Grommets and Multi Drops From Single Ports
• Proven "O" Ring Sealing System between Dome to End Plate
• Security Locking Position
• Splice I.D. Plate
• Sizes to Accommodate Most Fibre Counts
• No Special Tools Required
• Easy Future Drop Cable Installation
• Flash Testing to confirm Closure Integrity

Simple Locking System	Simple Locking Facility	Express Ports with Grommet Sealing	Flash Text Air Valve
Slide-N-Lock™ Fibre Tray Access	Loose Bufer Tube Storage	Strength Member & Couple Fastening	Wide Range of Grommets Available

FibreGuard™ Closures Series

FibreGuard Closure 500

FG500

- Low to medium count splicing
- 4 Port entry
- To suit 24, 48, 72 or 96 fibres
- Multi-Cable Entry
- For aerial or underground installations
- Mechanical Cable Gland Seal

Part Number	QTY. of 12/24 Fibre Tray Included (FG-T12)	Fibre Capacity
FG500-112	1	up to 12 or 24
FG500-212	2	up to 24 or 48
FG500-312	3	up to 48 or 72
FG500-412	4	up to 72 or 96

Note: Add suffix -P for pole mounting bracket kit

FibreGuard Closure 650

FG650

- Medium count splicing
- 5 Port entry with multi-cable facility
- To suit up to 48, 96, 144 or 288 fibres
- For aerial or underground installations
- Mechanical Cable Gland Seal

Part Number	QTY. of 12/24 Fibre Tray Included (FG-T12)	Fibre Capacity
FG650-148	1	up to 36 or 48
FG650-248	2	up to 72 or 96
FG650-348	3	up to 108 or 144
FG650-448	4	up to 144 or 192
FG650-548	5	up to 180 or 240
FG650-648	6	up to 216 or 288

Note: Add suffix -P for pole mounting bracket kit

FibreGuard™ Closures Series

FibreGuard Closure 800 with 48 Fibre Trays

FG800

- High count splicing
- 7 Port entry with multi-cable facility
- Using 48 fibre tray
- To suit up to288, 480 or 720 fibres
- Choice of 48 or 72 fibre tray
- For aerial or underground installations
- Mechanical Cable Gland Seal

Part Number	Qty. of 48 Fibre Tray Included (FG-T48)	Fibre Capacity
FG800-148	1	up to 36 or 48
FG800-248	2	up to 72 or 96
FG800-348	3	up to 108 or 144
FG800-448	4	up to 144 or 192
FG800-548	5	up to 180 or 240
FG800-648	6	up to 216 or 288
FG800-748	7	up to 252 or 336
FG800-848	8	up to 288 or 384
FG800-948	9	up to 324 or 432
FG800-A48	10	up to 360 or 480

Note: Add suffix -P for pole mounting bracket kit

FibreGuard Closure 800 with 72 Fibre Trays

FG800

- High count splicing
- 7 Port entry with multi-cable facility
- Using 72 fibre tray
- To suit up to288, 480 or 720 fibres
- Choice of 48 or 72 fibre tray
- For aerial or underground installations
- Mechanical Cable Gland Seal

Part Number	Qty. of 72 Fibre Tray Included (FG-T72)	Fibre Capacity
FG800-178	1	up to 72
FG800-278	2	up to 144
FG800-378	3	up to 216
FG800-478	4	up to 288
FG800-578	5	up to 360
FG800-678	6	up to 432
FG800-778	7	up to 504
FG800-878	8	up to 576
FG800-978	9	up to 648
FG800-A78	10	up to 720

Note: Add suffix -P for pole mounting bracket kit

ph: (02) 8805 0000

FibreGuard™
Closures Series

SLIDE-N-LOCK™ Splice Trays
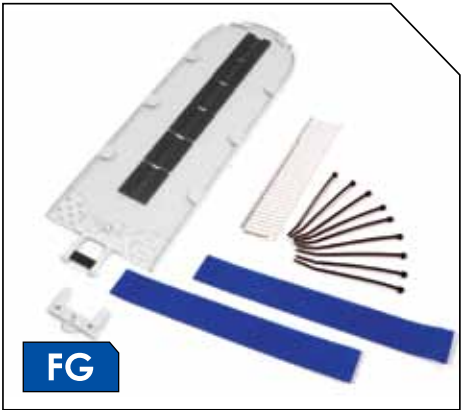
Part Number	Fibre Count
FG-T12	12/24
FG-T48	48
FG-T72	72

Cable Grommets

Various Grommet entry available, consult PLP for recommendation.

Part Number	Grommet Designation	Cable Range (mm)	Number of Entries
FG-DNA	A	10 - 15	1
	B	15 - 21	1
	C	21 - 25	1
FG-DNA-2	2H	7 - 12	2
FG-DNA-4	4H	3 - 7	4

Mounting Bracket

Pole mounting bracket to suit wood, concrete or steel poles

Part Number	To Suit
FG-B500-P	FibreGuard Closure 500
FG-B650-P	FibreGuard Closure 650
FG-B800-P	FibreGuard Closure 800

SAFeTNET™ Closure

General Recommendations
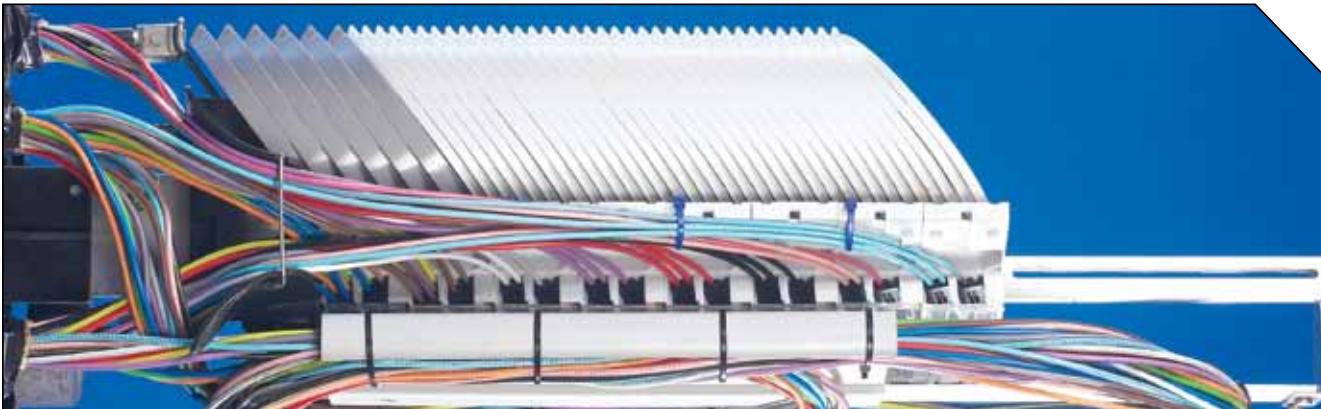
SAFeTNET is a new fibre management concept, which allows the operator to have the flexibility to manage their fibre network in many different ways. Whether it is by the fibre network topology or by the subscriber the SAFeTNET fibre management system can adapt expressing fibres either individually (Single Circuit), by the element or even fibres from different tubes!

FibreGuard SAFeTNET Closure base kit consists of:
• Dome Cover
• Base and Buffer Tube Storage
• Express port grommet kit

Key Features:
• Controlled fibre bend management
• Management of uncut fibres in single element, single circuit or distribution module
• No retubing of fibres
• Modules are stackable and interchangeable
• High capacity
• Distribution of fibres from module to module
• Limited components
• Ability to access all fibres of the network
• Suit heatshrink and ANT splice protectors
Available in 2 sizes, 800mm and 400mm
Both Enclosure utilises the same components and can be inter-changed

Fibre Distribution

Fibre Trays Management

Splice Trays
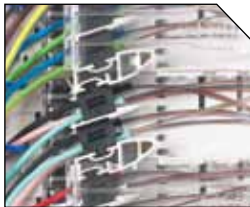
Buffer Tube Storage

Part Number	Splice Unit Capacity	CIRCUIT Unit	Cable Range (mm)	Number of Entries
FGS800-12	12	432 fibres	432 fibres	800
FGS800-06	6	216 fibres	216 fibres	400

ph: (02) 8805 0000

SAFeTNET™ Closure

Element Splice Unit

The Element Splice Unit consists of:
• 3 Single Element Trays.
• Splice Capacity: 36 fibres (assuming 12 fibres per tray)

Part Number
FGS-EU-8006842

FGS

Circuit Splice Unit

The CIRCUIT Splice Unit consists of:
• 6 Single Circuit Trays.
• Splice Capacity: 12 or 36 fibres (assuming 2 or 6 fibres per tray)

Part Number
FGS-CU-8006841

FGS

Distribution Splice Unit

The DISTRIBUTION Splice Unit consists of:
• 1 single Element Tray
• 4 Single Circuit Trays.
• Splice Capacity: 20 or 30 fibres

Part Number
FGS-DU-8006843

FGS

FibreGuard Closure Stand
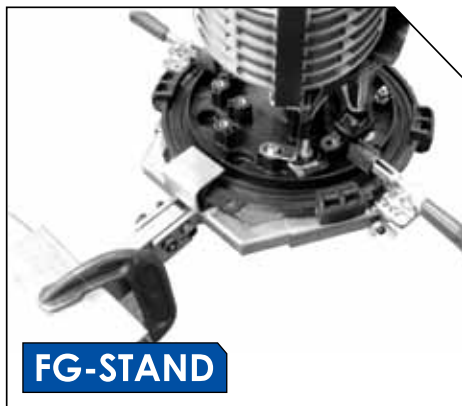
FG-STAND

The stand will support the FibreGuard Closure during cable preparation, routing of buffer tubes and splicing.
Stand can be tilted to suit your needs.

Part Number
FG-STAND80808030

COYOTE® Closures

General Recommendations
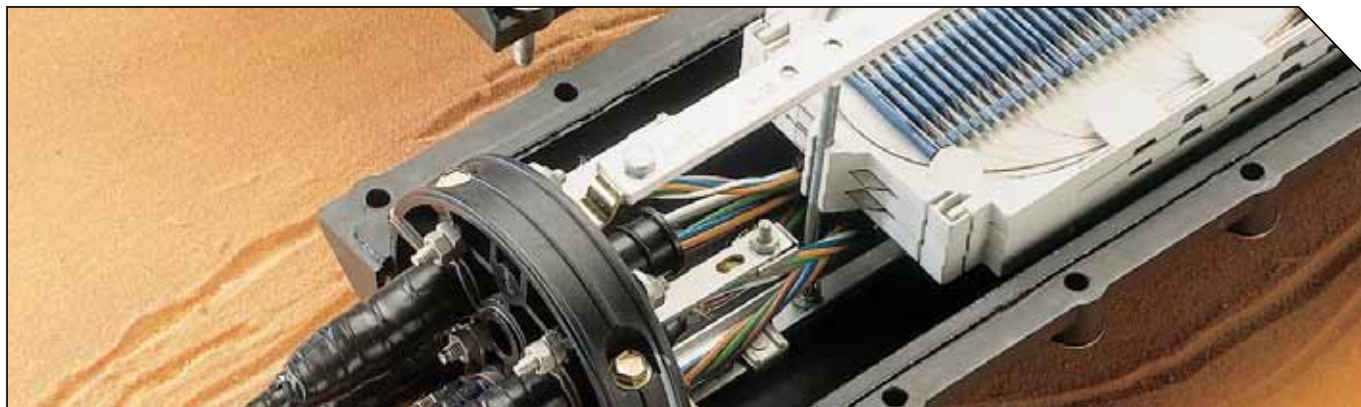
The COYOTE Closure range are tested in accordance with Bellcore Testing Requirement GR-771-CORE. This is the closure that will ensure long-term reliability and quality of the signal, voice, video and data.

Made of injection-moulded high-density thermoplastic, the shells are built to last in any environment. Closing and re-entry are simple; closing hardware is captive so there are no loose parts to keep track of, and the torquing sequence is moulded into the shell for easy reference. The neoprene gasket, proven to be effective in PLP's other closures, provides an airtight, waterproof seal and no re-entry kits are needed, so waste is kept to a minimum.

Secure:
The Coyote Closure 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.

Features:
• Maintains an airtight and watertight seal.
• Corrosion resistant.
• Sealing system eliminates drilling and 'heat' shrink requirements.
• Pre-moulded cable entry ports.
• Rapid installation and re-entry.
• Tested in accordance to GR-771-CORE.
• Splicing up to 48, 144, 388 and 384 fibres.
• Versatile fibre management system.

For Application Procedures, visit the PLP website.
www.preformed.com.au

COYOTE® Runt Closures

Runt Closure

The COYOTE RUNT Closure was specifically designed for fiber distribution networks. The small compact size of the COYOTE RUNT Closures make them an ideal fit for smaller hand holes and pedestals in the last fiber mile.

Key Features:
- To suit 12, 24, 36 or 48 fibres
- Compact Size: 37.5cm x 21.6cm x 7.6cm
- Three cable entrance ports; (2) 19mm port and (1) 25mm port
- Size allows for mounting in small pedestals and hand holes
- Provided with LOCK-TAPE™ Sealing System
- Accepts a wide variety of grommets for multi drop applications
- Allows for loose tube or ribbon fiber applications
- Permanent neoprene gasket system requires no re-entry kits
- Future cable ports included
- Express friendly internal organizer features
- Integrated air valve to verify integrity of final assembly
- Full line of mounting hardware
- UL Approved and RUS Listed
- Tested in accordance to Telcordia GR-771 CORE

Splice Tray Kits:

Part Number	Splices Per Tray	Trays Per Closure	Total Fiber Count
8006671-112	12	1	12
8006671-124	24	1	24
8006671-212	12	2	24
8006671-224	24	2	48

Expanded Runt Closure

- Low to medium count splicing
- To suit up to 48, 72 or 96 fibres
- Low profile design
- For aerial or underground installations
- No heatshrink or torch required

Part Number	Splices Per Tray	Trays Per Closure	Total Fiber Count
8006794-124	24	1	24
8006794-224	24	2	48
8006794-324	24	3	72
8006794-424	24	4	96

ph: (02) 8805 0000

COYOTE® Runt Closures

In-Line Runt

The COYOTE® In-Line RUNT Closure has the versatility and features that make it a perfect choice for distribution and fiber-to the premise networks. The compact size allows the closure to be installed into pedestals and small hand holes, keeping your installation costs down. High drop capacity and the capability to be converted to a terminal closure will allow room for expansion long after the initial installation.

Key Features:
- Compact Size: 17.5" L x 10" W x 3.5" H (44 cm x 25 cm x 9 cm)
- High drop capacity - See grommet chart
- 4 entry ports, each accept 1-1/4" maximum cable diameter
- Hermetically sealed and free breathing
- Express and flame retardant configurations available
- Quick and easy assembly - no special tools required
- Simple-to-use Grommet sealing system
- Hinged cover reduces number of parts required upon re-entry
- Internal organizer manages buffer tube or ribbon cable
- Integrated air valve to test assembly seal
- Convertible to a COYOTE Terminal Closure
- Full line of mounting hardware available
- Tested in accordance to Telcordia GR-771-CORE

Note: For grommet selection, please see page 47

Part Number Closure	Description	Maximum Trays Per Closure
8006951	Hermetically sealed	3
8006952	Free breathing	3

Splice Tray Kits:

Part Number Tray	Description
80806033-12A	12 fibre tray
80806033-24A	24 fibre tray

In-Line Dual Chamber

Part Number	Splices Per Tray	Trays Per Closure	Total Fiber Count
800011839 - ***	12	6	72
800011839 - ***	24	6	144

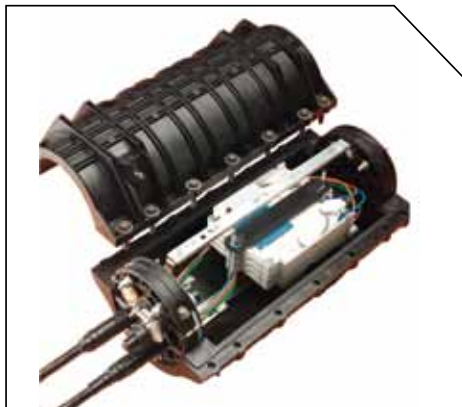**Note:** For grommet selection, please see page 47

COYOTE® Closures
Pup 6" x 17"

Pup Closure 6" x 17"

The COYOTE PUP Closure offers a perfect choice for low fiber count distribution applications involving butt and in-line installations. The compact size and rugged design allow the closure to be applied in below grade, aerial and buried installations. Supported by a full line of COYOTE accessories, this closure can grow along with your network.

Key Features:
• Compact Size: 17" L x 8.6" W x 7.2" H(43.2 cm x 21.9 cm x 18.4 cm)
• Two end plate options - 4 port and 6 port;
   - 6 port provides (4) 7/8" (22 mm) ports and (2) 3/4" (19 mm) ports
   - 4 port provides (2) 1-1/4" (32 mm) ports and (2) 1" (25 mm) ports
• Standard closure configured for BUTT Entry
• Ability to convert to inline configuration
• Organizers designed for loose buffer tube and ribbon applications
• Size allows for mounting in small hand holes
• Provided with LOCK-TAPE™ Sealing System
• Accepts a wide variety of grommets for multi drop applications
• Permanent neoprene gasket system requires no re-entry kits
• Future cable ports provided
• Integrated air valve to confirm integrity of final assembly
• Full line of mounting hardware
• UL Approved, RDUP Listed (RUS)
• Tested in accordance to Telcordia GR-771 CORE
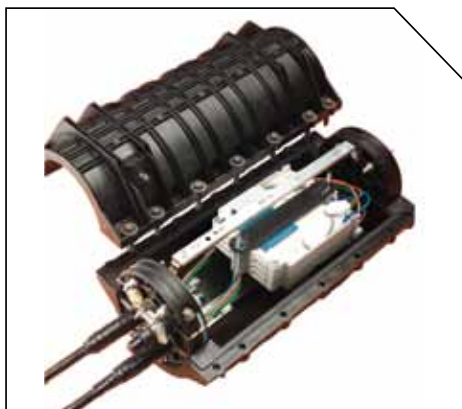
Note: 1x 6 port end plate and 1x blank end plate standard.

Add suffix -P to the part number to include pole mounting bracket. Contact PLP for tower mounting bracket assembly.

Part Number Closure Kit for Buffer Tube	Part Number Closure Kit for Unitube	Splices Per Tray	Trays Per Closure	Total Fiber Count
8006622-112	8006621-112	12	1	12
8006622-124	8006622-124	24	1	24
8006622-212	8006622-212	12	2	24
8006622-224	8006622-224	24	2	48
8006622-312	8006622-312	12	3	36
8006622-324	8006622-324	24	3	72
8006622-412	8006622-412	12	4	48
8006622-424	8006622-424	24	4	96
8006622-512	8006622-512	12	5	60
8006622-524	8006622-524	24	5	120

COYOTE® Closures
Pup 6" x 17"

For Blown Fibre (In-line Closure)

Part Number	End PLate
800011628	4 hole, 3 section

Note: No trays included.

2 x 4 hole end plates standard.

Splice Tray Kits
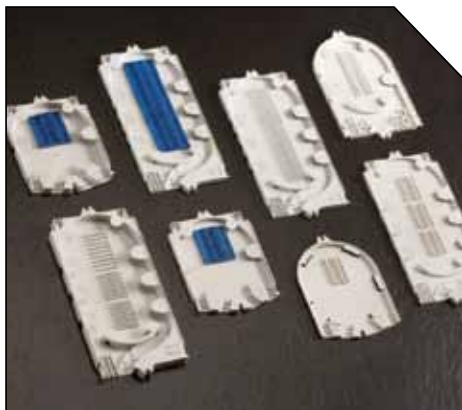
Part Number Tray	Fiber Capacity	Description
80806033-12A	12	Standard Profile
80806033-24A	24	Standard Profile
80806033	12	Standard Profile Mechanical

Accessory Kits

Part Number	Description
80805105	3 Section 6 Port End Plate kit
80805739	3 Section 4 Port End Plate Kit
8003371	Future Cable Port Kit
8003291	Future Cable Installation Kit
8003325	Airial hanger Bracket
OFSCMOUNT-03	Pole Mounting Bracket
OFSCM-04-03	Tower Mounting Bracket

COYOTE® Closures

6.5" x 8.5" Closures

The first and original series in the COYOTE family of products, the COYOTE Closure was developed with customers' needs first. Used in aerial, underground, buried and building applications, the COYOTE Closure is the original design of fiber optic closures. Craft-friendly, affordable, reliable and durable, the COYOTE Closure ensures long-term reliability and quality of voice, video and data signals.

Key Features:
- Available in two sizes;
  - 6.0" x 22" (15cm x 56cm)
  - 8.5" x 22" (22cm x 56cm)
- Two end plate options – 4 Port and 6 Port;
  - 6 Port provides (4) 22mm ports and (2) 19mm ports
  - 4 Port provides (2) 32mm ports and (2) 25mm ports
- Large splice capacity – Up to 396 with single fusion
- Can be configured for butt or in-line applications
- Organizers designed for loose buffer tube & ribbon applications
- Compact size allows for mounting in smaller locations
- Provided with LOCK-TAPE Sealing System
- Accepts a wide variety of grommets for multi drop applications
- Field proven permanent neoprene gasket system
- No re-entry kits required
- Future cable ports provide capability for future cable installation, without end plate removal
- Full line of mounting hardware

6.5" x 22" Closures

- Buffer Tube Kit Standard (Contact PLP for Unitube applications)
- Low Profile Trays Standard (8001127)

Part Number With 6 Port End Plate	Part Number With 4 Port End Plate	Splices Per Tray	Trays per Closure	Total Fiber Count
8006560-136	8006633-136	36	1	36
8006560-236	8006633-236	36	2	72
8006560-336	8006633-336	36	3	108
8006560-436	8006633-436	36	4	144
8006560-536	8006633-536	36	5	180
8006560-636	8006633-636	36	6	216

Note: 1x 6 port end plate and 1x blank end plate standard.

ph: (02) 8805 0000

COYOTE® Closures

8.5" x 22" Closures

- Buffer Tube Kit Standard (Contact PLP for Unitube applications)
- Low Profile Trays Standard (8001127)

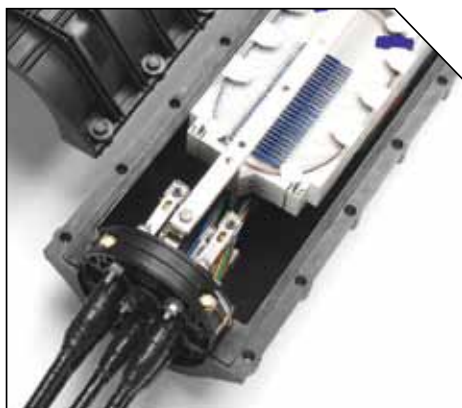| Part Number With 6 Port End Plate	Part Number With 4 Port End Plate	Splices Per Tray	Trays per Closure	Total Fiber Count
8006561-136	8006634-136	36	1	36
8006561-236	8006634-236	36	2	72
8006561-336	8006634-336	36	3	108
8006561-436	8006634-436	36	4	144
8006561-536	8006634-536	36	5	180
8006561-636	8006634-636	36	6	216
8006561-736	8006634-736	36	7	252
8006561-836	8006634-836	36	8	288
8006561-936	8006634-936	36	9	324
8006561-A36	8006634-A36	36	10	360
8006561-B36	8006634-B36	36	11	396

Splice Tray Kits

Part Number	Fiber Capacity	Description
8001127	36	Low Profile
80805514	36	Standard Profile

Accessory Kits

Part Number	Description
80805105	3 Section 6 Port End Plate kit
80805739	3 Section 4 Port End Plate Kit
8003371	Future Cable Port Kit
8003291	Future Cable Installation Kit
OFSCMOUNT-03	Pole Mounting Bracket
OFSCM-04-03	Tower Mounting Bracket

COYOTE® Closures

Stainless Steel

The Coyote Stainless Steel 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. The closure 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.

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.

Key Features:
• Maintains an air and water tight seal
• Corrosion resistant
• Sealing system eliminates heat-shrink complications
• Rapid installation and re-entry without special tools
• Splicing up to 180, 216, 252, 324, 360 and 468 fibres
• Larger customised splice capacities available upon request
• Versatile fibre management system

Part Number	Closure Size	Splices Per Tray	Trays Per Closure	Total Fiber Count (Single Fusion)	Mounting Bracket
8006551 - ***-**	6.5" x 22"	36	5 x Standard 6 x Low Profile	180 216	Pole or Tower
8006553 - ***-**	6.5" x 28"	36	5 x Standard 6 x Low Profile	180 216	Pole or Tower
8006625 - ***-**	8" x 28"	36	7 x Standard 9 x Low Profile	252 324	Pole or Tower
8006657 - ***-**	9.5" x 28"	36	10 x Standard 13 x Low Profile	360 468	Pole or Tower

Note: Contact PLP for specific part numbers to suit your application

ph: (02) 8805 0000

COYOTE® Closures

Drop Cable
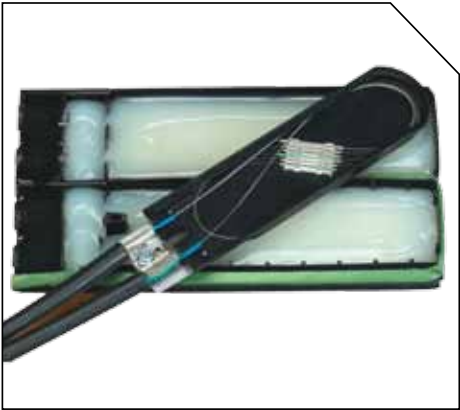
Designed for splicing or repair of low fiber count drop cables. The COYOTE Drop Cable Closure is a reenterable (not re-usable), encapsulant-filled closure for splicing buried fiber optic drop cables (up to 6-fiber).

Key Features:
• The COYOTE Drop Cable Closure will accept either dielectric or shielded fiber optic dropcables with an outside diameter of up to 0.5" (13 mm).

• The splice block on the splice tray assembly holds up to 6 heat-shrink fusion splice protectors. Six 40 mm long protectors are provided.

• The sealed splice tray assembly has an integral bond clamp which provides conductivity between the cable shields and cable restraint.

• Each closure body is factory-filled with field proven POLY-BEE™ Sealant to provide a protective barrier around the sealed splice tray assembly.

• Compact size 305 L x 76 H x 89 W.

Part Number	Description
8006876	COYOTE Drop Cable Closure, includes sealed splice tray assembly and six (6) heat shrink splice protectors.
8006914	COYOTE Drop Cable Closure unfilled, includes splice tray assembly & six (6) heat shrink splice protectors

COYOTE® Closures

LCC (Low Count Closure)
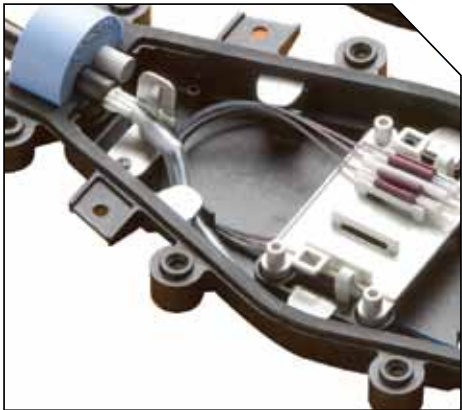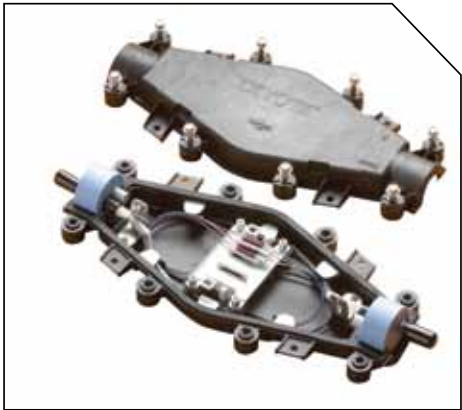
Every splice location, regardless of the FTTX Architecture, must be protected from the elements to provide the maximum reliability your customers expect. The NEW COYOTE LCC (Low Count Closure) is the latest edition to the COYOTE Fiber Optics product line for your Fiber to the Home, Node, or Curb deployment.

The Closure's compact size, use of the versatile grommet system and internal LITE-GRIP® Splice Platform make this rugged closure the economical choice for new installations and critical repair situations.

Key Features:
• Compact Size – 17" L x 7" W x 2.5" D (43cm x 18cm x 7cm)
• Max Splice Capacity – Single Fusion – 24 splices
• Max Splice Capacity – Ribbon/Mass Fusion – 72
• Capable of Inline or Butt applications
• Designed for aerial, below grade or direct buried applications
• Same craft friendly grommet system as the COYOTE Dome Closures
• Flat shape allows for mounting in small areas
• Utilizes LITE-GRIP Splice Block System
• Ability to accept single fusion, mass fusion, mechanical, PLC splitters or a combination of all within one closure
• Quick, easy installation is ideal for drop repair applications

Part Number	Description
COYLCC-F001	COYOTE LCC for Single Fusion – includes 8003676 and 8003796 grommets, (1) splice platform for single fusion, (3) splice blocks, 2) L brackets, clips and fasteners.
COYLCC-F002	COYOTE LCC for Single Fusion – includes 8003676 and 8003796 grommets, (1) splice platform for single fusion, (3) splice blocks, (2) L brackets, (1) Bobbin Kit, clips and fasteners.
COYLCC-F003	COYOTE LCC for Ribbon – includes (2) 8003663 grommets, (1) splice platform for ribbon, (2) splice blocks, (2) L brackets, transport tubing, clips and fasteners.
COYLCC-F004	COYOTE LCC for Single Fusion – includes (2) 8003676 grommets, (1) splice platform for single fusion, (3) splice blocks, (2) L brackets, clips and fasteners.
COYLCC-F005	COYOTE LCC for Single Fusion – includes (2) 8003663 grommets, (1) splice platform for single fusion, (3) splice blocks, (2) L brackets, clips and fasteners.

Note: Refer to page 68 for grommet ket selection

COYOTE® Closures

Accessory Kits

Part Number	Description
80808633	Strength Member Bobbin Kit
8003843	Strength Member L Bracket Kit
8003793	Splice Platform Kit for Single Fusion – includes 3 splice blocks
8003794	Splice Platform Kit for Ribbon – includes 2 splice blocks
LGSBS8-5	LITE-GRIP Splice Block for Single Fusion – accepts 8 splice protectors per block – 5 pcs per kit
LGSBR3-5	LITE-GRIP Splice Block for Single Fusion – accepts 3 mass fusion protectors per block – 5 pcs per kit
8003832	Aerial Mounting Bracket (Strand Mount)
8003835	Universal Mounting Bracket Kit for Hand Hole Applications
8003830	Pole/Wall Mount Bracket Kit

Coyote DTC (Drop Termination Closure)

The latest fiber to the Premise closure by Preformed Line Products is the Drop Termination Closure. Designed for Last mile applications the DTC can be used for direct buried or wall mounted applications. The closure can be used in repair situations or as an economical means of terminating at multi dwelling properties.

Please contact PLP for a part number to suit your specific requirements.

Key Features:
• Tab secured cover with special tool allowing cover removal without damaging the base. (for wall mounting only)
• Easy sealing grommet system with no heat shrink or lock tape requirements
• Moulded fibre management system
• (16) splices max, single fusion
• (4) grommets included (Contact PLP with specific cable requirements

COYOTE® Fibre Wall Plates

Storage Only

The COYOTE Access Solutions Fiber Wall Plates are compact fiber organizers used to create a fiber demarcation point inside the home, office or apartment. Internal fiber routing features control bend radius and allow for slack storage outside of the wall cavity. Specific designs also provide for splicing inside the wall plate. Each wall plate is produced from flame retardant compounds, is easy to install and is capable of being mounted directly to a standard electrical junction box or a wall.

Key Features:
• Designed for storing a pre-connectorised fiber jumper
• Fiber entrance ports through the back of wall plate
• Compact Size: 10.2 cm x 15.2 cm x 2.5 cm
• Available colors: white and almond
• Kits include SC/APC adapter mounted inside & mounting fasteners
• Mounts to standard electrical junction boxes or a wall
• Internal fiber routing provides bend radius control
• Maximum internal slack storage: 152cm of 2 mm jacketed fiber or 91 cm of 3 mm jacketed fiber
• Hinged door provides open access for easy fiber connection or removal
• Interlocking hinged doors automatically block view of internal adapter when the external fiber jumper is removed

Part Number	Colour
80808983W	White

Splice and Storage

Key Features:
• Designed for splicing and storing a pre-connectorised fiber pigtail
• Fiber entrance ports through back & bottom edge of wall plate
• Compact Size: 11.4 cm x 12.7 cm x 2.2 cm
• Available Color: White
• Kits include LITE-GRIP™ sleeve for retention of splice protector
• Mounts to standard electrical junction boxes or wall
• Internal fiber routing provides bend radius control
• Maximum internal slack storage: 243 cm of 2 mm jacketed fiber or 122 cm of 3 mm jacketed fiber
• Removable cover secured with fastener

Part Number	Colour
80061045	White

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COYOTE® Fibre Wall Plates

Dual Fiber Wall Plate

Key Features:
• Splicing & storing pre-connectorised fiber pigtails & fiber drops
• Dual flip layer separating drops, routing/storage and splicing
• Fiber routing maintains bend radius control
• Compact Size: 10.5cm x 8.3cm x 2.5cm
• Accepts (2) fiber drops and (2) adapters
• Capable of (6) fusion splices with capability to accept mechanical
   splice blocks
• Mounts to standard electrical junction boxes or wall
• Removable cover secured with fastener

Note: Please contact PLP for further information and support to suit your specific application

COYOTE® MPC
(Multi-Purpose Closure)

Multi-Purpose Closure (MPC)

The COYOTE MPC is the latest product to the COYOTE Fiber Optics family to focus on the MDU environment. The new closure system provides a flexible platform to address the multitude of applications that exist in your residential and commercial FTTx installations. The closure's styled exterior and neutral color allow it to blend with the surroundings but, good looks aren't everything, the MPC is also highly functional. The closure is constructed of durable, UV stabilized, flame retardant (UL 94-5VA) polymer to permit interior or exterior applications. Eight cable entrance ports around the closure exterior accept an easy to use grommet system and standard commercially available fittings. The closures' interior can be configured to address slack storage, splicing, cross connect, hardened adapter applications or a combination of all. Pre-terminated configurations are also available to minimize the amount of labor required during your installation.
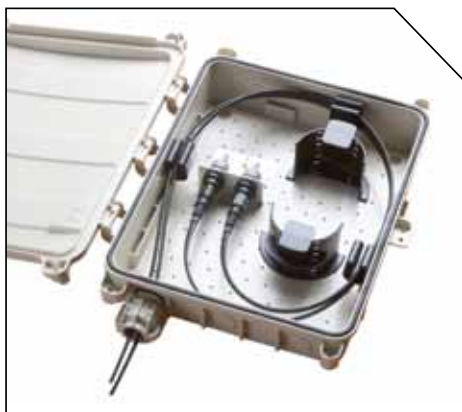
Key Features:
- Size: 16" L x 14" W x 4" D (41cm x 36cm x 10cm)
- 8 Cable entrance ports around closure exterior
- Cable entrance ports are sized to accept PLP grommet adapter ports or commercially available fittings
- Easy to use grommet system – 7 different multi and single hole grommets to choose from
- Constructed with UL 94 5VA polymer compounds to provide the highest flame resistant rating
- Interior grid hole pattern allows custom organization to address your specific application
- Integrated rubber seal eliminates water entry
- Custom logo plaques available to identify your company logo, contact your PLP representative for further details

Part Number	Description
COYMPC-001	Coyote MPC Standard - includes (1) x 4 Hole Gommet Port Adapter kit (8003812), (1) Organiser Clip kit (8003813)

Accessory Kits

| Part Number	Description
8003813	Organizer Clip Kit – contains 3 clips
8003811	Storage Bracket Kit – contains 2 brackets
8003814	MPC Splice Platform Kit for Single Fusion – includes 3 splice blocks
8003794	MPC Splice Platform Kit for Ribbon – includes 3 splice blocks
8003829	Cable Restraint Bracket Kit – includes 1 restraint bracket
80808467	Raceway Shroud Kit – includes 1 shroud
80806033-12A	Standard Tray (12 Fiber Count)
80806033-24A	Standard Tray (24 Fiber Count)
xxxxxxxx	Low Profile Tray (XXXXX Fiber Count)

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COYOTE® MPC
(Multi-Purpose Closure)

Silicone Grommet Kits

Part Number	Cable Range	Description	Grommets
8003825	.825" - 1.00" (21mm - 25mm)	1 hole grommet port adapter kit	
8003826	.60" - .825" (15mm - 21mm)	1 hole grommet port adapter kit	
8003827	.40" - .60" (10mm -15mm)	1 hole grommet port adapter kit	
8003828	.275" - .500" (7mm - 12mm)	2 hole grommet port adapter kit	
8003812	.120" - .275" (3mm - 7mm)	4 hole grommet port adapter kit	
8003818	.120" - .200" (3mm - 5mm)	8 hole grommet port adapter kit	

Adapter Modules
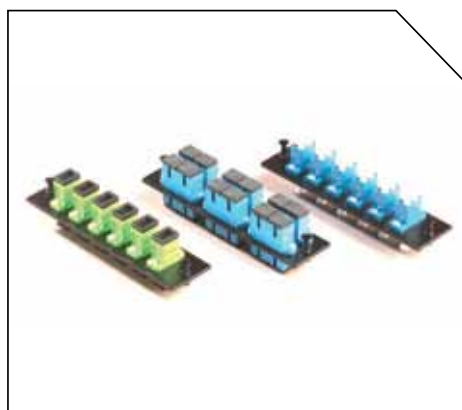
Part Number	Connector	Adapters	Sleeve
6SMSC	SC	6	Ceramic
6SCAPC	SC/APC	6	Ceramic
12SMDSC	SC	12 6 (Duplex)	Ceramic
8SMSC	SC	8	Ceramic
6SMST	ST	6	Ceramic
8SMST	ST	8	Ceramic
6SMFC	FC	6	Ceramic
8SMFC	FC	8	Ceramic
6FCAPC	FC/APC	6	Ceramic
6SMLC	LC	6	Ceramic
12SMLC	LC	12 6 (Duplex)	Ceramic
600 Blank Plate	Blank Plate	-	-

COYOTE® Gromet Kits

Silicone Grommet Kit

Part Number	Cable Range	Description	Grommets
8003701	.42" - .60"(10.7mm - 15.2mm) .60" - .85" (15.2mm - 21.6mm)	2-hole grommet	
8003691	.42" - .60" (10.7mm - 15.2mm)	1-hole grommet	
8003692	.60" - .85" (15.2mm - 21.6mm)	1-hole grommet	
8003693	.85" - 1.0" (21.6mm - 25.4mm)	1-hole grommet	
8003694	1.0" - 1.25" (25.4mm - 31.6mm)	1-hole grommet	
8003663	.42" - .60" (10.7mm - 15.2mm)	2-hole grommet	
8003664	.30" - .43" (7.6mm - 10.9mm)	4-hole grommet	
8003665	.125" - .25" (3.2mm - 6.4mm) And Flat Drop	6-hole grommet	
8003676	.42" - .60" (10.7mm - 15.2mm) .125" - .25" (3.2mm - 6.4mm) And Flat Drop	7-hole grommet	
8003677	.1 25" - .25" (3.3mm - 6.4mm) And Flat Drop	8-hole grommet	
8003796	Flat Drop Only	12-hole grommet	

Note: Grommet Kit contains (1) Grommet, (1) Cable Measure Tape, (2) Silicone Lubricant Pack, (1) Set of Plugs and (1) Glove.

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Splice Protector

Heatshrink

FPH
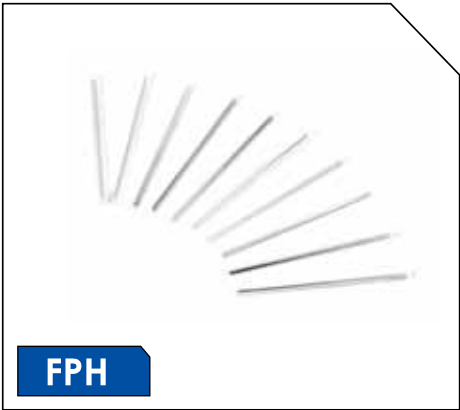
Part Number	Description
FPH-045-C	Clear heatshrink splice protectors 45mm
FPH-060-C	Clear heatshrink splice protectors 60mm

COYOTE® Splice Tray

Selection Chart

Short Splice Trays & Closures	COYOTE RUNT	COYOTE Expanded RUNT	COYOTE In-Line RUNT	COYOTE Terminal Dual Chamber*	COYOTE PUP	COYOTE Multi Purpose Closure (MPC)
Standard Tray (12 Splice Count) 80806033-12A	2 Trays 24 Max Splice Count	4 Trays 48 Max Splice Count	3 Trays 36 Max Splice Count	6 Trays 48 Max Splice Count	5 Trays 60 Max Splice Count	4 Trays 48 Max Splice Count
Standard Tray (24 Splice Count) 80806033-24A	2 Trays 48 Max Splice Count	4 Trays 96 Max Splice Coun	3 Trays 72 Max Splice Count	6 Trays 96 Max Splice Count	5 Trays 120 Max Splice Count	4 Trays 96 Max Splice Count
Standard Tray Mechanical & Fusion (12 Splice Count) 80806033	2 Trays 24 Max Splice Count	4 Trays 48 Max Splice Count	3 Trays 36 Max Splice Count	6 Trays 48 Max Splice Count	5 Trays 60 Max Splice Count	4 Trays 48 Max Splice Count

Note: * Total capacity of dual chambers

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COYOTE® Splice Tray

Selection Chart

Long Splice Trays & Closures	6.5" x 22" COYOTE	8.5" x 22" COYOTE	6.5" x 22" COYOTE Splice Case	8" x 22" COYOTE Splice Case
Low Profile Tray (36 splice count) 8001127 (w/ plastic splice blocks) or 80807769 (blank)	6 Trays 216 Max Splice Count	11 Trays 396 Max Splice Count	6 Trays 216 Max Splice Count	9 Trays 324 Max Splice Count
Standard Tray (36 Splice Count) 80805514 (w/ elastomer splice blocks), 80805110 (w/ ridgid slots), or 808055	4 Trays 144 Max Splice Count	8 Trays 288 Max Splice Count	4 Trays 144 Max Splice Count	7 Trays 252 Max Splice Count

Hardware & Accessories

Hardware & Accessories

> *Preformed Line Products has an immense range of standard fittings that are available off the shelf.*

Hardware Fittings

Shackles - Galvanised Forged Steel

Part Number (Shackle)	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
S-070-1	70	M16	25
S-120-1	120	M16	25
S-160-1	160	M20	15
S-210-1	210	M20	15

Part Number (Twisted)	Tension Rating (kN	Bolt Size (mm)
TS-070-1	70	M16

Clevis Thimble - Aluminium

For use with aluminium and aluminium clad steel deadends.
- Corrosion resistant aluminium alloy.
- Galvanised steel pin.
- Stainless steel split pin.
- ACT-27-16 rated at 70 kN.
- ACT-37-16 rated at 80 kN.

Part Number	Maximum Grip Size	Thimble Bend Radius (mm)	Standard Pack Quantity
ACT-27-16	AFG-188-CL	36	25
ACT-27-16HP	AFG-188-CL	36	25
ACT-37-16	AFG-240-LT-CL	36	25
ACT-37-16HP	AFG-240-LT-CL	36	25

Note: HP denotes Hex Pin

Wire Rope Thimble - Closed

Part Number	Bend Radius (mm)	Seat Width (mm)	Threaded Length (mm)
THWC-10	12.5	11	150
THWC-12	15	13	150
THWC-16	20	18	150
THWC-20	25	22	150

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Hardware Fittings

Wire Rope Thimble - Open

Part Number	Bend Radius (mm)	Seat Width (mm)	Opened Width (mm)
THWO-10	12.5*	11	14
THWO-12	15*	13	17
THWO-16	20*	18	21
THWO-20-4	25*	22	24
THWO-22	27.5*	24	28

Note: Bend radius will be slightly larger on open thimbles.

THWO

Safety Hook Plate

Part Number	Hook Size (mm)	Hole Size (mm)	Tension Rating (kN)	Standard Pack Quantity
GSHP-16	M16	14	3	25

GSHP

Stainless Steel Conical Washer

A Stainless Steel Conical Spring Washer, when compressed by a bolt into timber, the coils compact into each other until the entire form is flat. The volute tapered washer maintains a constant pressure on the bolt ensuring any shrinkage of the timber does not affect the torque of the bolt.

Part Number	Bolt Size (mm)	Standard Pack Quantity
SSCW-12	M12	50
SSCW-16/20	M16 / M20	50
SSCW-24	M24	50

SSCW

Hardware Fittings

Eye Tongue - Forged

Part Number	Tension Rating (kN)	Bolt Size (mm)	Standard Pack Quantity
ET-070-1	70	M16	25
ET-070-22	70	M20	25
ET-120-1	120	M16	-
ET-160-1	160	M20	-

Link Single Plate

Link plates are available in 70, 120 and 160kN. Substitute -070 for -120 or -160 respectively.

LSP

Part Number	Rating (kN)	Hole Separation (mm)
LSP-070-100	70	100
LSP-070-150	70	150
LSP-070-200	70	200
LSP-070-250	70	250
LSP-070-300	70	300
LSP-070-350	70	350

Link (Plate Double)

Link plates are available in 70, 120 and 160kN. Substitute -070 for -120 or -160 respectively.

L

Part Number	Rating (kN)	Hole Separation (mm)
L-070-100	70	100
L-070-150	70	150
L-070-200	70	200
L-070-250	70	250
L-070-300	70	300
L-070-350	70	350

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Hardware Fittings

Open Hook Nut - Galvanised Steel

ENGO

- To suit 16mm and 20mm threaded rods.
- Can be attached to thimble eye bolts or standard bolts where it is necessary to connect to a structure.

Part Number	Thread Size (mm)	Standard Pack Quantity
ENGO-12	M12	50
ENGO-16	M16	50

Thimble Eyenut

THEN

- Medium duty
- Manufactured for high strength applications (see page 80)
- Suitable for 16mm, 20mm and 24mm rods

Part Number	Tension Rating (kN)	Thimble Bend Radius	Thread Size (mm)
THEN-16	30	20	M16
THEN-20	144	30	M20
THEN-24	144	30	M24
THEN-UNC1	144	30	1"

Yoke Bar for ABC Suspension

YABCOF

This double suspension yoke bar provides up to 60° line deviation by using two suspension clamps of 30° each.

Part Number	Diameter (mm)	Length - Hook to Hook (mm)	Standard Pack Quantity
YABCOF-16-300	16	300	25

Hardware Fittings

M20 and M24 Elongated Eye Bolt

GEBE

- This fitting used with the PLP Anchor
- Other lengths available on request

Part Number (M20)	Part Number (M24)	Length (mm)	Threaded Length (mm)
GEBE-20150	GEBE-24150	150	150
GEBE-20200	GEBE-24200	200	150
GEBE-20250	GEBE-24250	250	150
GEBE-20300	GEBE-24300	300	150
GEBE-20350	GEBE-24350	350	150
GEBE-20400	GEBE-24400	400	150
GEBE-20420	GEBE-24420	420	150
GEBE-20450	GEBE-24450	450	150
GEBE-20500	GEBE-24500	500	150
GEBE-20550	GEBE-24550	550	150
GEBE-20600	GEBE-24600	600	150
GEBE-20650	GEBE-24650	650	150
GEBE-20700	GEBE-24700	700	150
GEBE-20750	GEBE-24750	750	150
GEBE-20800	GEBE-24800	800	150
GEBE-202500	GEBE-242500	2500	150

M16 Safety Hook Bolts

GSHB

Made of galvanised steel for use with either wood or concrete poles.

Part Number	Length (mm)	Pole Diameter Range (mm)	Threaded Length (mm)	Bolt Size (mm)
GSHB-16200	200	61 - 160	150	16
GSHB-16300	300	160 - 260	150	16
GSHB-16400	400	261 - 360	150	16
GSHB-16500	500	361 - 460	150	16

Hardware Fittings

M16 Galvanised Hook Bolts

Made of galvanised steel for use with either wood or concrete poles.

GEB

Part Number	Length (mm)	Threaded Length (mm)	Bolt Size (mm)
GEB-16150-T	150	150	16
GEB-16250-T	250	250	16
GEB-16350-T	350	350	16
GEB-16450-T	450	450	16

Note: Other lengths available on request.

M16 Round Eye Bolt

Made of galvanised steel for use with either wood or concrete poles.

GEBR

Part Number	Length (mm)	Threaded Length (mm)
GEBR-16150	150	100
GEBR-16200	200	100
GEBR-16250	250	100
GEBR-16300	300	100
GEBR-16350	350	100
GEBR-16400	400	100
GEBR-16450	450	100
GEBR-16500	500	100

Note: Other lengths available on request.

ADSS Tension Extension Links

GCL

Part Number	Length (mm)	Max Working Load (kN)	Chain Diameter (mm)
GCL-010L-392	392 - 424	12	10
GCL-010L-490	490 - 531	12	10
GCL-010L-1000	1000 - 1062	12	10
GCL-013L-392	392 - 424	24	12

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Hardware Fittings

Fiberlign ADSS Cable Storage Bracket

OFSCCM

The Fiberlign Cable Storage Bracket is designed to store excess ADSS or underground fibre optic cable. Excess cable can be utilised for future loop joints or T-offs. Two size available to cater for allowable minimum bend radius of fibre optic cable.

• Standard: Galvanised steel finish
• For Plastic coating finish, contact PLP

Part Number	Minimum Bend Radius (mm)
OFSCCM-02-250	250
OFSCCM-02-400	400

Galvanised Coach Screw Hook

GCSH

Part Number	Length (mm)	Thread Size
GCSH-16175	175	M16

Hook Plate (Heavy Duty)

GSH

Part Number	Hole Sizes (mm)	Hook Size (mm)
GSH-1422513	14	16

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Hardware Fittings

M16 Tongue Bolt Assembly

GTB
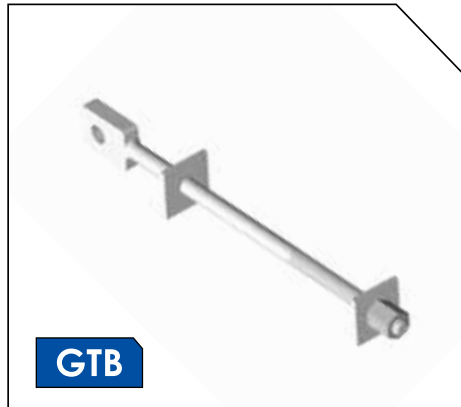
Part Number	Pole Diameter Range (mm)	Length (mm)	Thread Size	Hole Size (mm)	Tongue Thickness (mm)
GTB-16300	160 - 260	300	M16	18	16
GTB-16400	260 - 360	400	M16	18	16
GTB-16500	360 - 460	500	M16	18	16

M16 Galvanised Stud Assembly

GSS

Part Number	Pole Diameter Range (mm)	Length (mm)	Thread Size
GSS-16300	160 - 260	300	M16
GSS-16400	260 - 360	400	M16
GSS-16500	360 - 460	500	M16

Hardware Fittings

M16 Pole Attachment Bracket

PAS
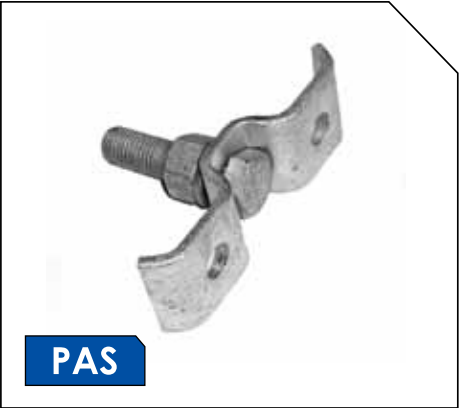
Part Number	Hole Sizes (mm)	Bolt Length (mm)	Bolt Size
PAS-02	14	60	M16

M16 Cross Arm Bracket Assembly

PAS

Part Number	Hole Sizes (mm)	Bolt Length (mm)	Bolt Size
PAS-04	18	60	M16

M16 Eyenut

ENG

Part Number	Thread Size	Eye Diameter (mm)
ENG-16	M16	35

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Hardware Fittings

4kN Weak Link

BCWL

Part Number	Rating (kN)
PUBCWL-04	4
PUBCWL-08	8

Drive Hooks

DH

Supports bail-type drop wire clamps to poles.

Part Number	Thread Size	Thread Length (mm)	Total Length (mm)
PUSU-DH-43008	5/16"	38	90
PUSU-DH-43007	7/16"	63	120

Hardware Fittings

"P" House Hook

PHH

Secures cable drops at the premise.

Part Number	Total Length (mm)
PUSU-PHH-00809	95
PUSU-PHH-10809	115
PUSU-PHH-00800	95
PUSU-PHH-00801	115

Insulated Screw Eye

ISE

Supports and protects drop wire runs from abrasion while providing a 7.15mm diagonal ring opening.

Part Number	Total Length (mm)
PUSU-ISE-00830	73
PUSU-ISE-00831	95
PUSU-ISE-00832	98

Safety Drop Wire Hook

DWH

Attaches bail wire type drop wire clamps at the premise.

Part Number	Description
PUSU-DWH-01732	

Hardware Fittings

Midspan Clamp Type 1

Used for drop cable midspan T-offs.

Part Number	Total Length (mm)
GQSC-745-46	Contact PLP

Midspan Clamp Type 2

Used for drop cable midspan T-offs.

Part Number	Total Length (mm)
PUSU-SC-00869	Contact PLP

Hardware Fittings

Bridle Rings

Supports short low-tension cable spans.

Part Number	Diameter (mm)	Description
PUSU-BR-0117	6	For Concrete Poles
PUSU-BR-0117	6	For Concrete Poles
PUSU-BR-0118	6	For Wood Poles
PUSU-BR-0121	6	For Wall applications

BR

Fibre Optic Cable Marker

The Fiber Optic Cable Marker is designed to visibly identify fiber optic cable on a wood utility pole or other structure. In addition to marking the cable with a distinct yellow color, the marking 'CAUTION FIBRE OPTIC CABLE' is used to indicate the cable type. The bright yellow color is easily identifiable from ground level.

The fiber optic cable marker is manufactured from corrosion resistant, lightweight and thermoplastic material. It provides superior retention of physical characteristics over temperature ranges and exposure to ultra violet radiation.

CMFO

Part Number	Colour	Cable Diametre Range Inches (mm)	Length (mm)
CMFO-1325-200Y	Yellow	13 - 25	200

Note: The Fiber Optic Cable Marker is impinted with the following information: "CAUTION FIBER OPTIC CABLE". The characters are printed in black lettering and located opposite the installation split.

Customised identification markings with COMPANY name available. eg. "CAUTION FIBER OPTIC CABLE - xyz Pty. Ltd."
Consult PLP for recommendations.

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Hardware Fittings

Kover Guards
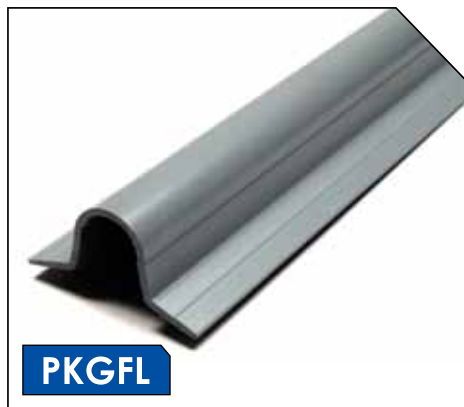
PKGFL

PKGFR
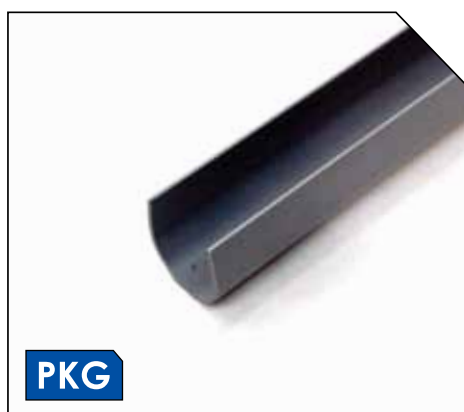
PKG

Preformed Kover Guards are available for all types of cable including earthwire and fibre optic cable and offer protection from both impact and accidental damage. It is a better alternative to the old steel or wooden earth wire cover strips.

With many advantages such as high strength, light weight and insulation protection, matched with ease of installation, the cost savings are a real benefit.

Features
• UV stabilised material
• Impact resistant
• Insulation properties
• The option of fire retardant material (PKGFR type)
• In three designs, U shaped, circular fully enclosed or flared
• Corrosion, rot and termite proof

Advantages
• Easy installation
• Low cost
• Electrically safe
• Long life expectancy
• Light weight

Part Number	Internal Diameter (mm)	Length (m)	Material Colour	Profile	Standard Pack Quantity
PKG-019-1.2-G	19	1.2	Grey	⊔	20
PKG-019-2.8-G	19	2.8	Grey	⊔	20
PKGFR-020-2.7	20	2.7	Black	◯	20
PKGFR-025-2.7	25	2.7	Black	◯	20
PKGFL-020-2.0-B	20	2	Black	⊓	20
PKGFL-020-2.0-G	20	2	Grey	⊓	20
PKGFL-020-3.0-G	20	3	Grey	⊓	20
PKGFL-050-2.0-G	50	2	Grey	⊓	20
PKGFL-050-3.0-G	50	3	Grey	⊓	20
PKGFL-075-3.0-G	75	3	Grey	⊓	20

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- Transmission Catalogue
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communications
catalogue