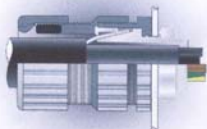


## GLAND DESIGNS

PE takes a look at two new innovations that could simplify SWA termination.



The outer gland is Polyamide 66 plastic for corrosion resistance and waterproof sealing



The CY or SY braid is simply folded back over the termination area and clamped with a special torsion clamp spring



### Spring has sprung

The second innovation is a range of Spring Clamps designed to ground and retain all types of braided cables, but in particular SY and CY cables. The Spring-clamp cable gland has a waterproof plastic outer and the core of the fitting is Electroless Nickel plated aerospace grade aluminium. The grounding and anchorage is via a twin torsion spring and the Automatic Grounding System is achieved via hardened teeth on the conductive body interface.

The system has a plastic body with a metal core, and the 'Spring-clamp' cable gland automatically grounds the SY or CY braid (<10milliohm) without accessories.



The main body has 306 degree teeth to cut past painted surfaces: note the circle of removed paint

Described as one of the more fiddly jobs for many sparks, the termination of cable hasn't altered much for years. However this could soon be changing thanks to a couple of new products being launched by Pro-term: cable termination products.

First up is the Bite Gland. Described by the manufacturer as an, "innovation in cable technology" the 'BITE' gland has a tough plastic outer, with metal core parts incorporating a, "guaranteed" earth path for the steel wire armouring. It does this thanks to the 'Automatic Grounding System' (AGS) which has been designed as a positive method of Steel wire and braided armour cable continuity.

The purpose of the AGS is to bite past painted enclosure/panel/product surface accessing the metal structures which are assumed to be safety earth bonded, or in the case of EMC assumed to be a part of the Faraday Cage.

According to the manufacturer the finished termination is:

- Less than 10 milliohm resistance to the earth block
- Waterproof from outside the enclosure
- Ensures excellent cable retention
- Quick fit
- Low cost

For more information  
on the Bite Gland  
circle readerlink 152

For more information  
on the Spring Clamp  
circle readerlink 153

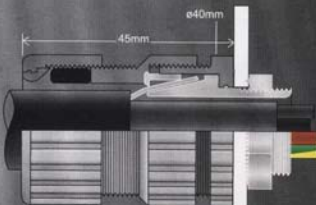
# pro-term

cable termination products

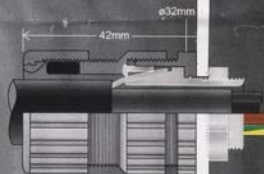


FOR STEEL WIRE  
ARMOUR CABLES

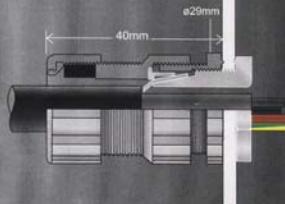
**BITE 25**  
( $\phi$ 20-27mm Cables)



**BITE 20**  
( $\phi$ 14-21mm Cables)



**BITE 20S**  
( $\phi$ 10-16mm Cables)  
Reverse Fit  
Anchorage



- Tough plastic outer – metal inner
- Automatic grounding teeth on anchor nut
- Indoor or out door use as standard
- Anti-armor twisting feature
- Excellent cable retention
- No loose parts
- Corrosion resistant
- Designed to meet EN50262

Available from distributors and wholesalers.

Patent pending

# pro-term

cable termination products

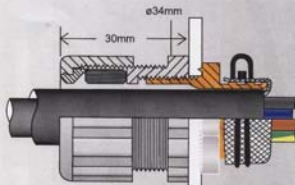


**SPRING  
CLAMP**

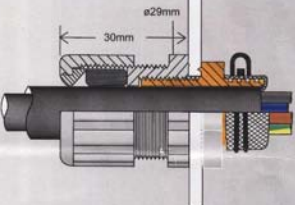
For **SY, CY** and other  
braided cables

- Tough plastic outer – metal inner
- Automatic grounding teeth on anchor nut
- Indoor or outdoor use as standard
- Easy fit (no 'pig-tailing' of braids or awkward cones)
- 360° grounding
- Corrosion resistant
- Will terminate double overall shields
- Excellent cable retention
- Can terminate individual / twisted pair / foil cables with braid sock kit
- Designed to meet EN50262

**SPRING CLAMP 20**  
( $\phi$ 14-21mm Cables)

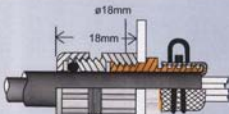


**SPRING CLAMP 20S**  
( $\phi$ 9-16mm Cables)

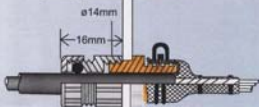


Available from distributors and wholesalers

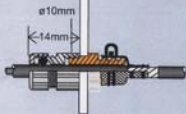
**SPRING CLAMP  
MINIATURE 02**  
( $\phi$ 6-10mm Cables)



**SPRING CLAMP  
MINIATURE 01**  
( $\phi$ 3-7mm Cables)



**SPRING CLAMP  
MINIATURE 00**  
( $\phi$ 2-5mm Cables)



**SPRING CLAMP  
MINIATURE**

For foil wrap, overall braid,  
braided individual  
or twisted pair cables

- Tough plastic outer – metal inner
- Small envelope lightweight design
- Waterproof as standard
- Extremely versatile (any type of shielded cable)
- Braid sock kit provided as standard
- 360° low impedance braid/foil termination
- Will maintain double insulated status of products
- Can ground braids/foils without terminating at panel interface
- Excellent cable retention

*Ideal for EMC applications.*

Patent pending