

TRIPLEX CABLE SURROUND

Recent years have seen growth in the use of Triplex cable (where three single core cables are spirally twisted together). This poses some difficulties for installers in situations where the cable is not buried.

IPD Industrial Products is the exclusive distributor in Australia and New Zealand for Ellis Patents Ltd., who is at the forefront in terms of product development in the specialist area of designing and manufacturing cable cleats. From their experience of over 120 short circuit tests they are aware that, in the event of a short circuit fault, Triplex cable behaves in a similar way to standard single core cable installed in parallel trefoil formation. It also requires the same level of protection.

REPELLING MAGNETIC FORCES

Even modest levels of short circuit can produce surprisingly large repelling magnetic forces between cables. This is recognised in most electrical codes around the world which generally include a statement, which requires cables to be secured in a manner capable of withstanding such forces. Cleating is a recognised method of meeting these requirements.



Standard trefoil cable cleats are typically designed for single core cables to be installed in parallel, in a triangular formation with two cables on the bottom and one on top. The spacing of the cleat is determined by the system fault level, the cable diameter and the cleat selected. With Triplex cable the spacing is determined in the same way but the spiral formation means that it is unlikely that the

orientation of the cleat at its required spacing will allow it to be secured to the ladder or other mounting structure.

As a result of requests from contractors working for Utilities in the UK, Ellis Patents developed the Triplex Cable Surround. Manufactured from a low smoke zero halogen polymer, the Triplex Cable Surround can be simply clipped around the cable at the point of cleat installation and then secured to the mounting structure using a standard stainless steel or plastic cleat.

The Triplex Cable Surround is available in three sizes and covers cable diameters from 28mm to 47mm. It can be used with Ellis Patents Emperor and Vulcan stainless steel cleats, as well as the 2F range of plastic cleats.

All Ellis Patents cable cleats are produced in accordance with the European Standard for cleats EN 50368.

For enquiry, please contact IPD Customer Support Centre at 1300 556 601 or visit us at www.ipdgroup.com.au.

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INDUSTRIAL
PRODUCTS



will fix the **TRIPLEX CABLES**
for you



Manufactured from LSF Zero Halogen Polymeric material, the Ellis Patents **"Triplex Cable Surround"** can be incorporated within a single cable cleat to secure three single core medium voltage cables which are spirally twisted together (triplex cable). The surround overcomes the twist in the cable to allow cleating at any point along the length.

Cable Cleats for other cable types are available.



Tel: 1300 556 601

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