Alternative Colour Markings on Preforms

There are two main manufacturers of helical fittings in the UK:

- Preformed Line Products (PLP)
- Mosdorfer CCL

SPEN have primarily used PLP fittings since the 1980's, with a small amount of Mosdorfer stay fittings being approved some years ago, but there remains some different colour markings between both manufacturers on certain fittings.

ENA Technical Specification 43-15 states that '*The suitability of the fitting for the conductor and insulator, to which it is applied, shall be checked with the label*'.



Fig.1 PLP Label

All fittings have a discrete painted colour marking to indicate application positions. The marks are located as follows:

- HV Single top ties – one mark at one end of the fitting
- HV double top ties – first fitting has one mark at one end of one leg, the second fitting has two marks at one end of the same leg
- HV side and angle ties and LV intermediate ties – centre loop (to centralise fitting)
- Tension fittings – on each leg (to indicate the starting point of application), and the point at which full tension can be taken.



Fig.2 Mosdorfer Label

These painted marks will remain at the same location on the fittings, but only for these application purposes, not for identification.

Identification shall ONLY be confirmed by the use of the attached label.

Recommendations and action points

- Only helical fittings that have a legible label can be used
- Do not re-use a fitting once it has been removed
- All elastomeric pads shall be used at all times where required on HV conductors
- All helical fittings shall be stored inside at all times until use, this is to maintain the integrity of the chemically inert grit and helps keep the label visible.