

Armored Road Crossing TWIN-TIES

The Armored Road Crossing Twin-Tie was developed and tested in conjunction with a major electricity supply authority and the original concept approved by the Department of Machinery and Occupational Safety. It fully protects the conductor either side of the insulator top at road crossings.

Photographic evidence of insulator flashovers, under laboratory conditions, carried out in the U.S.A. by our principals clearly illustrated that when PREFORED™ insulator ties were used the flashover occurred mainly on the tie. The conductor was not involved, and was protected by the PLP tie.

This was not the case when “hand ties” were subjected to the same series of tests. The flashover involved both the “hand tie” and the conductor.

The follow-up after this investigation was the development of a tie which would fully armour the conductor on either side of the insulator top and with adequate holding strength to maintain the statutory road crossing ground clearance in accordance with statutory requirements.

Field tests subsequently carried out proved conclusively that the newly developed Preformed road crossing tie met the statutory requirements.

Catalogue No.: ART (Aluminium); CART (Copper)



RIGHT HAND LAY STANDARD.

CATALOGUE NO. CONDUCTOR DIAMETER (mm) COLOUR CODE
FOR USE ON ALUMINIUM

CATALOGUE NO.	CONDUCTOR DIAMETER (mm)	COLOUR CODE
ART 248 – 259	6.28 – 6.57	ORANGE
ART 270 – 280	6.84 – 7.11	YELLOW
ART 328 – 340	8.31 – 8.63	BLUE
ART 341 – 353	8.64 – 8.97	ORANGE
ART 354 – 367	8.98 – 9.32	GREEN
ART 395 – 411	10.01 – 10.44	YELLOW
ART 412 – 437	10.54 – 11.10	RED
ART 523 – 554	13.28 – 14.07	GREY
ART 555 – 594	14.08 – 15.09	BROWN
ART 706 – 747	17.92 – 18.97	WHITE

FOR USE ON COPPER

CATALOGUE NO.	CONDUCTOR DIAMETER (mm)	COLOUR CODE
CART 236 – 247	5.99 – 6.27	BLACK
CART 328 – 340	8.33 – 8.64	BLUE
CART 438 - 463	11.13 – 11.76	GREEN

