

# ALCAN ALUMINUM AC STRIP

Alcan AC Strip is supplied in layer wound coils suitable for flexible cable armouring and for flexible conduit.

## STANDARD SIZES

| Thickness x Width (mm) | Thickness x Width (in.) |
|------------------------|-------------------------|
| .406 x 9.53            | .016 x .375             |
| .48 x 9.53             | .019 x .375             |
| .546 x 9.53            | .0215 x .375            |
| .56 x 9.53             | .022 x .375             |
| .64 x 9.53             | .025 x .375             |
| .48 x 12.70            | .019 x .500             |
| .58 x 12.70            | .023 x .500             |
| .64 x 12.70            | .025 x .500             |
| .76 x 12.70            | .030 x .500             |
| .86 x 12.70            | .034 x .500             |
| 1.02 x 12.70           | .040 x .500             |
| .64 x 19.05            | .025 x .750             |
| .76 x 19.05            | .030 x .750             |
| .86 x 19.05            | .034 x .750             |
| 1.02 x 19.05           | .040 x .750             |
| 1.40 x 19.05           | .055 x .750             |
| 1.52 x 19.05           | .060 x .750             |

Other strip dimensions are available upon request.

## TOLERANCES:

|  |                            |                        |
|--|----------------------------|------------------------|
| Thickness tolerance                                | +0.0015 in.<br>-0.0000 in. | +0.038 mm<br>-0.000 mm |
| Width tolerance - under 0.750 in.<br>(19.05 mm)    | ± 0.004 in.                | ± 0.10 mm              |
| Width tolerance - 0.750 in.<br>(19.05 mm) and over | ± 0.006 in.                | ± 0.15 mm              |

## MECHANICAL PROPERTIES

| To meet armour tension test | Alloy*    | Ultimate Tensile Strength |      |         |      |         |      | Elongation in 250 mm (10 in.) |
|-----------------------------|-----------|---------------------------|------|---------|------|---------|------|-------------------------------|
|                             |           | Minimum                   |      | Typical |      | Maximum |      | % minimum                     |
|                             |           | MPa                       | ksi  | MPa     | ksi  | MPa     | ksi  |                               |
| 890N - 200 lbs.             | 1350-H18  | 172                       | 24.9 | 188     | 27.3 | 215     | 31.2 | 1.0                           |
| 1335N - 300 lbs.            | 5052-H24  | 240                       | 34.8 | 255     | 37.0 | 270     | 39.2 | 5.0                           |
| 1335N - 300 lbs.            | 5154A-H24 | 276                       | 40.0 | 290     | 42.1 | 303     | 43.9 | 5.0                           |

\*Recommended alloys to meet specified armour tension tests – Subject to armouring process used.

## STRAIGHTNESS:

In any length (arc) of 300 mm (11.8 in.), the maximum allowable deviation from a straight line (depth of arc) shall be 5 mm maximum or its proportional equivalent – up to 300 cm in length.

## PACKAGING

| Strip Width |       | Nominal Coil Width |      | Nominal Coil Mass |     | Mass Tolerance | Minimum Coil Mass |     | Allowed Random Coils |
|-------------|-------|--------------------|------|-------------------|-----|----------------|-------------------|-----|----------------------|
| mm          | in.   | mm                 | in.  | kg                | lb. | %              | kg                | lb. | %                    |
| 9.53        | 0.375 | 152                | 6.0  | 180               | 400 | 10             | 100               | 220 | 5                    |
|             |       | 165                | 6.5  | 190               | 420 | 10             | 100               | 220 | 5                    |
|             |       | 292                | 11.5 | 340               | 750 | 10             | 125               | 275 | 5                    |
|             |       | 305                | 12.0 | 365               | 805 | 10             | 135               | 295 | 5                    |
| 12.70       | 0.500 | 152                | 6.0  | 180               | 400 | 10             | 100               | 220 | 5                    |
|             |       | 165                | 6.5  | 190               | 420 | 10             | 100               | 220 | 5                    |
|             |       | 292                | 11.5 | 340               | 750 | 10             | 125               | 275 | 5                    |
|             |       | 305                | 12.0 | 365               | 805 | 10             | 135               | 295 | 5                    |
| 19.05       | 0.750 | 152                | 6.0  | 170               | 375 | 10             | 100               | 220 | 5                    |
|             |       | 165                | 6.5  | 170               | 375 | 10             | 100               | 220 | 5                    |
|             |       | 292                | 11.5 | 340               | 750 | 10             | 125               | 275 | 5                    |

### Approximate dimension of pallets:

Width: 915 mm (36 in.)

Depth: 915 mm (36 in.)

### Shipping tolerance:

Under 5000 kg: +/- 10% of order quantity

Over 5000 kg: +/- 5% of order quantity

Maximum mass per pallet: 1225 kg (2700 lb.)

### PRODUCT IDENTIFICATION:

#### Each pallet is identified as follows:

- Supplier's name or identification
- Customer's name
- Aluminum strip thickness (mm/inches)
- Aluminum strip width (mm/inches)
- Alloy designation
- Lot number
- Gross weight (kg or kg/lb.)
- Net weight (kg or kg/lb.)

#### Metal tags on each coil include the following:

- Supplier's name or identification
- Alloy designation and temper
- Aluminum strip thickness (mm/inches)
- Aluminum strip width (mm/inches)
- Lot number
- Coil number

### ALUMINUM STRIP COILS 6.5 INCH WIDE



3/4" WOOD SPACERS

STRIP COILS  
STACKED AND  
READY FOR  
STRETCH WRAPPING