

# FIRE RETARDANT PAIR COIL



## PHYSICAL PROPERTIES

| Part Number     | Insulation Thickness (mm) | Copper Tube O.D. (in) | Copper Tube O.D. X Wall Thickness (mm) | Length (m) |
|-----------------|---------------------------|-----------------------|----------------------------------------|------------|
| FRPC06350952-13 | 13                        | 1/4 - 3/8             | 6.35 x 0.81 - 9.52 x 0.81              | 18         |
| FRPC06351270-13 | 13                        | 1/4 - 1/2             | 6.35 x 0.81 - 12.70 x 0.81             | 18         |
| FRPC09521588-13 | 13                        | 3/8 - 5/8             | 9.52 x 0.81 - 15.88 x 1.02             | 18         |
| FRPC06350952-19 | 19                        | 1/4 - 3/8             | 6.35 x 0.81 - 9.52 x 0.81              | 18         |
| FRPC06351270-19 | 19                        | 1/4 - 1/2             | 6.35 x 0.81 - 12.70 x 0.81             | 18         |
| FRPC09521588-19 | 19                        | 3/8 - 5/8             | 9.52 x 0.81 - 15.88 x 1.02             | 18         |
| FRPC09521905-13 | 13                        | 3/8 - 3/4             | 9.52 x 0.81 - 19.05 x 1.14             | 18         |
| FRPC09521905-19 | 19                        | 3/8 - 3/4             | 9.52 x 0.81 - 19.05 x 1.14             | 18         |

## COPPER PROPERTIES

| Copper Tube Dimensions Metric (mm) | Safe Working Pressure (kPa) |
|------------------------------------|-----------------------------|
|                                    | At 65°C                     |
| 6.35 x 0.71                        | 8,100                       |
| 9.52 x 0.81                        | 5,930                       |
| 12.70 x 0.81                       | 4,700                       |
| 15.88 x 1.02                       | 4,500                       |

## PRODUCT CHARACTERISTICS

| Insulation | Property             | Specification                                                      |
|------------|----------------------|--------------------------------------------------------------------|
|            | Material             | Paired tubular closed cell elastometric insulation (black nitrile) |
|            | Thermal conductivity | 0.033 W/m.K at 23°C AS 4859.1:2002                                 |
|            | Water Absorption     | 0.0029 g/100cm <sup>2</sup> µ                                      |
|            | Vapour Barrier       | 12.000                                                             |
|            | Mildew Resistance    | No fungal growth ASTM C1338                                        |
|            | Working Temperature  | -50°C to +110°C                                                    |

| Copper | Property        | Specification                                                                                                   | Result            |
|--------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------|
|        | Copper Tube     | Copper                                                                                                          | 99.9% Pure Copper |
|        |                 |                                                                                                                 | 100% Recyclable   |
|        | Foam Insulation | Ozone Depleting Potential (complies with requirements of Green Building Council of Australia - HCFC / CFC free) | Zero              |
|        |                 | Global Warming Potential                                                                                        | Zero              |
|        |                 | Volatile Organic Compound VOC Adhesives                                                                         | Low               |

## BUILDING CODE OF AUSTRALIA COMPLIANCE

| Property                             | Specification                                                                   | Results  |
|--------------------------------------|---------------------------------------------------------------------------------|----------|
| Fire Hazard Properties               | Tested in accordance with AS/NZS 15.30.3:1999 Refer abcb.gov.au (BCA Vol 1)     | Complies |
|                                      | Spread of flame index                                                           | 0        |
|                                      | Smoke Development Index                                                         | 5        |
| Pipe Insulation Refer Specifications | Meets requirements of insulation material in accordance with AS/NZS 4859.1:2000 | Complies |
|                                      | Refer specification J5 (BCA Vol 1) and (BCA Vol 2)- Insulation on pipes         |          |