

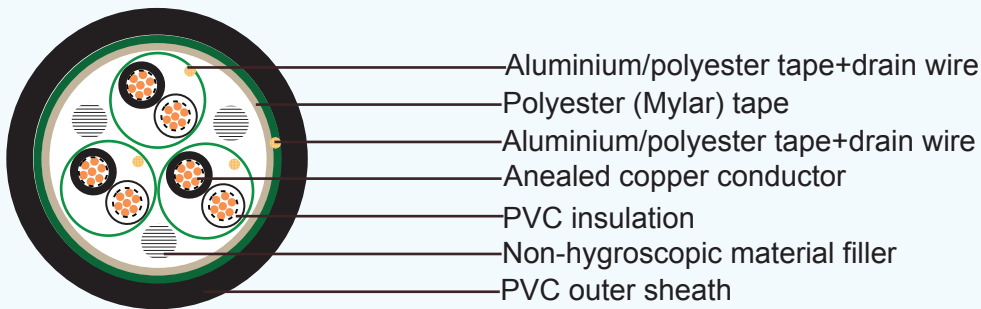


## CVV-I/C AMS

### Application and Description:

Used for electric signal transmission of control or monitoring circuits for 0.6/1kV

### Cable Construction:



Conductor: Stranded annealed copper wires, Sizes: 1.5mm<sup>2</sup> up to 4.0 mm<sup>2</sup>

Insulation: Polyvinyl chloride (PVC)

Color : Black and white with marking numbers

Pairing/Ttoids: Two/hree insulated conductors uniformly twisted together

Individual Screen: Aluminium/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire.

Filler: Non-hygroscopic material(optional)

Binding tape: Polyester (Mylar) tape (optional)

Overall Screen: Aluminium/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire.

Sheath: Polyvinyl chloride (PVC), Black color (other colors can be provided upn request)

### Technical Characteristics:

Maximum conductor temperature 70°C

Circuit voltage not exceeding 600 volts

Test voltage: 3500 volts

# Caledonian Cables Manufacture

## Cable Parameter

| No. of Pairs/Triads | Conductor                    |                     |          | Thickness of insulation | Thickness of Sheath | Overall diameter | Maximum conductor resistance (at 20°C) | Cable weight |
|---------------------|------------------------------|---------------------|----------|-------------------------|---------------------|------------------|--|--------------|
|                     | Nominal cross-sectional area | No. & dia. of wires | Diameter |                         |                     |                  |  |              |
|                     | mm <sup>2</sup>              | mm                  | mm       |                         |                     |                  |  |              |
| Pairs               |                              |                     |          |                         |                     |                  |  |              |
| 2                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 16               | 12.34                                  | 280          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 17.5             | 7.56                                   | 350          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.8                 | 21               | 4.7                                    | 460          |
| 3                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 17               | 12.34                                  | 340          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 18.5             | 7.56                                   | 440          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.8                 | 22               | 4.7                                    | 590          |
| 4                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 18.5             | 12.34                                  | 420          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 20               | 7.56                                   | 540          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.8                 | 24               | 4.7                                    | 740          |
| 5                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 20               | 12.34                                  | 500          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 22               | 7.56                                   | 650          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.8                 | 26.5             | 4.7                                    | 900          |
| 6                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 21.5             | 12.34                                  | 580          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 24               | 7.56                                   | 770          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.9                 | 29.5             | 4.7                                    | 1080         |
| 7                   | 1.5                          | 7/0.53              | 2.59     | 0.8                     | 1.8                 | 21.5             | 12.34                                  | 630          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 24               | 7.56                                   | 830          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 1.9                 | 29.5             | 4.7                                    | 1170         |
| 8                   | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 24.5             | 12.34                                  | 720          |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 1.8                 | 27               | 7.56                                   | 960          |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2                   | 33               | 4.7                                    | 1370         |
| 10                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 27.5             | 12.34                                  | 880          |
|                     | 2.5                          | 7.067               | 2.01     | 0.8                     | 1.9                 | 30.5             | 7.56                                   | 1190         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.2                 | 38               | 4.7                                    | 1720         |
| 12                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.8                 | 28.5             | 12.34                                  | 1000         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2                   | 32               | 7.56                                   | 1380         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.2                 | 39.5             | 4.7                                    | 1970         |





# Addison Cables to IEC/TIS Standard

www.addison-tech.com

www.addison-cables.com

| No. of Pairs/Triads | Conductor                    |                    |          | Thickness of insulation | Thickness of Sheath | Overall diameter | Maximum conductor resistance (at 20°C) | Cable weight |
|---------------------|------------------------------|--------------------|----------|-------------------------|---------------------|------------------|--|--------------|
|                     | Nominal cross-sectional area | No.& dia. of wires | Diameter |                         |                     |                  |  |              |
|                     | mm <sup>2</sup>              | mm                 | mm       |                         |                     |                  |  |              |
| 15                  | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 2                   | 32               | 12.34                                  | 1240         |
|                     | 2.5                          | 7.67               | 2.01     | 0.8                     | 2.1                 | 35.5             | 7.56                                   | 1700         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2.4                 | 44.5             | 4.7                                    | 2440         |
| 20                  | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 2.1                 | 36               | 12.34                                  | 1610         |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 2.2                 | 40               | 7.56                                   | 2210         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2.5                 | 50               | 4.7                                    | 3180         |
| 30                  | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 2.3                 | 42.5             | 12.34                                  | 2330         |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 2.5                 | 48               | 7.56                                   | 3240         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2.9                 | 59.5             | 4.7                                    | 4680         |
| Triads              |                              |                    |          |                         |                     |                  |  |              |
| 2                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 17.5             | 12.34                                  | 370          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 19.5             | 7.56                                   | 470          |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 1.8                 | 23.5             | 4.7                                    | 650          |
| 3                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 19               | 12.34                                  | 470          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 20.5             | 7.56                                   | 600          |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 1.8                 | 25               | 4.7                                    | 830          |
| 4                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 20.5             | 12.34                                  | 570          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 22.5             | 7.56                                   | 750          |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 1.8                 | 27.5             | 4.7                                    | 1050         |
| 5                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 22.5             | 12.34                                  | 690          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 24.5             | 7.56                                   | 910          |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 1.9                 | 30.3             | 4.7                                    | 1300         |
| 6                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 24.5             | 12.34                                  | 810          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 27               | 7.56                                   | 1080         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2                   | 33.5             | 4.7                                    | 1550         |
| 7                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 24.5             | 12.34                                  | 880          |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.8                 | 27               | 7.56                                   | 1180         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2                   | 33.5             | 4.7                                    | 1690         |
| 8                   | 1.5                          | 7/0.53             | 1.59     | 0.8                     | 1.8                 | 27.5             | 12.34                                  | 1010         |
|                     | 2.5                          | 7/0.67             | 2.01     | 0.8                     | 1.9                 | 30.5             | 7.56                                   | 1370         |
|                     | 4                            | 7/0.85             | 2.55     | 1                       | 2.2                 | 38               | 4.7                                    | 1990         |

# Caledonian Cables Manufacture

| No. of Pairs/Triads | Conductor                    |                     |          | Thickness of insulation | Thickness of Sheath | Overall diameter | Maximum conductor resistance (at 20°C) | Cable weight |
|---------------------|------------------------------|---------------------|----------|-------------------------|---------------------|------------------|--|--------------|
|                     | Nominal cross-sectional area | No. & dia. of wires | Diameter |                         |                     |                  |  |              |
|                     | mm <sup>2</sup>              | mm                  | mm       |                         |                     |                  |  |              |
| 10                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 1.9                 | 31.5             | 12.34                                  | 1250         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2.1                 | 35               | 7.56                                   | 1720         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.3                 | 43.5             | 4.7                                    | 2470         |
| 12                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 2                   | 32.5             | 12.34                                  | 1450         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2.1                 | 36.5             | 7.56                                   | 1980         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.4                 | 45.5             | 4.7                                    | 2870         |
| 15                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 2.1                 | 36.5             | 12.34                                  | 1770         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2.2                 | 40.5             | 7.56                                   | 2420         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.6                 | 51               | 4.7                                    | 3550         |
| 20                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 2.3                 | 41               | 12.34                                  | 2320         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2.4                 | 46               | 7.56                                   | 3190         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 2.8                 | 57.5             | 4.7                                    | 4660         |
| 30                  | 1.5                          | 7/0.53              | 1.59     | 0.8                     | 2.5                 | 49               | 12.34                                  | 3360         |
|                     | 2.5                          | 7/0.67              | 2.01     | 0.8                     | 2.7                 | 55               | 7.56                                   | 4650         |
|                     | 4                            | 7/0.85              | 2.55     | 1                       | 3.1                 | 68.5             | 4.7                                    | 6790         |

