



## CVVSB

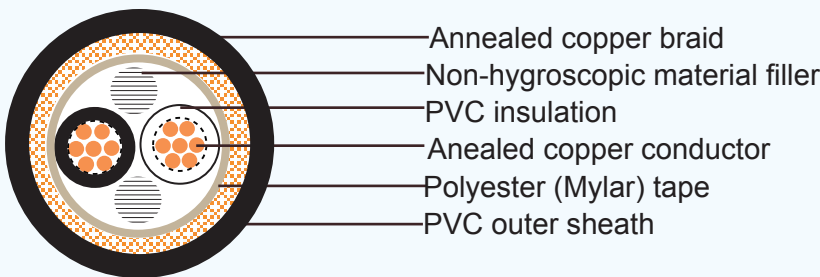
### Application and Description:

For used in control circuits required electrostatic shielding in underground duct, conduit and open air.

### Reference Standard:

IEC 60502-1

### Cable Construction:



Conductor: Stranded annealed copper wires, Sizes: 1.5 mm<sup>2</sup> up to 10 mm<sup>2</sup>

Insulation: Polyvinyl chloride (PVC)

Color : 2-4 cores-Black, White, Red and Green ,More than 4 cores: Black core with marking numbers

Filler: Non-hygroscopic material(optional)

Binding tape: Polyester (Mylar) tape (optional)

Shield: Copper wire braid

Outer sheath: Polyvinyl chloride (PVC), Black color (A special flame retardant can be supplied)

### Technical Characteristics:

Maximum conductor temperature 90°C

Circuit voltage not exceeding 600 volts

Test voltage 3500 volts

# Caledonian Cables Manufacture

## Cable Parameter:

| NO. of Cores | Conductor                    |                     |          | Thickness of insulation | Thickness of outer 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       |                         |                           |                  |  |              |
| 2            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 11.4             | 12.1                                   | 176          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 12.3             | 7.41                                   | 211          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 14.2             | 4.61                                   | 285          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 15.4             | 3.08                                   | 348          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 16.9             | 1.83                                   | 411          |
| 3            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 11.9             | 12.1                                   | 207          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 12.9             | 7.41                                   | 252          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 15.0             | 4.61                                   | 349          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 16.2             | 3.08                                   | 433          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 17.9             | 1.83                                   | 535          |
| 4            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 12.8             | 12.1                                   | 245          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 13.9             | 7.41                                   | 303          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 16.2             | 4.61                                   | 423          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 17.6             | 3.08                                   | 531          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 19.5             | 1.83                                   | 673          |
| 5            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 13.8             | 12.1                                   | 285          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 15.0             | 7.41                                   | 355          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 17.3             | 4.61                                   | 498          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 19.2             | 3.08                                   | 634          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 21.4             | 1.83                                   | 818          |
| 6            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 14.8             | 12.1                                   | 326          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 16.1             | 7.41                                   | 410          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 19.0             | 4.61                                   | 584          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 20.8             | 3.08                                   | 742          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 23.2             | 1.83                                   | 966          |





# Addison Cables to IEC/TIS Standard

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| NO. of Cores | Conductor                    |                     |          | Thickness of insulation | Thickness of outer 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       |                         |                           |                  |  |              |
| 7            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 14.8             | 12.1                                   | 347          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 16.1             | 7.41                                   | 440          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 19.0             | 4.61                                   | 631          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 20.8             | 3.08                                   | 808          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 23.2             | 1.83                                   | 1070         |
| 8            | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 15.8             | 12.1                                   | 390          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 17.3             | 7.41                                   | 496          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 20.5             | 4.61                                   | 716          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 21.7             | 3.08                                   | 917          |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 24.5             | 1.83                                   | 1222         |
| 10           | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 18.2             | 12.1                                   | 486          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 19.9             | 7.41                                   | 620          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 23.8             | 4.61                                   | 900          |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 22.4             | 3.08                                   | 1157         |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 29.6             | 1.83                                   | 1550         |
| 12           | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 18.7             | 12.1                                   | 540          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 20.5             | 7.41                                   | 695          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 24.6             | 4.61                                   | 1016         |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 27.0             | 3.08                                   | 1314         |
|              | 10                           | 7 / 1.35            | 4.05     | 1.0                     | 1.8                       | 30.5             | 1.83                                   | 1787         |
| 15           | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 20.0             | 12.1                                   | 635          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 22.1             | 7.41                                   | 825          |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 26.4             | 4.61                                   | 1214         |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 29.1             | 3.08                                   | 1580         |
| 20           | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 22.1             | 12.1                                   | 794          |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 24.5             | 7.41                                   | 1039         |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.8                       | 29.5             | 4.61                                   | 1545         |
|              | 6                            | 7 / 1.04            | 3.12     | 1.0                     | 1.8                       | 32.5             | 3.08                                   | 2024         |
| 30           | 1.5                          | 7 / 0.53            | 1.59     | 0.8                     | 1.8                       | 26.3             | 12.1                                   | 1120         |
|              | 2.5                          | 7 / 0.67            | 2.01     | 0.8                     | 1.8                       | 28.2             | 7.41                                   | 1480         |
|              | 4                            | 7 / 0.85            | 2.55     | 1.0                     | 1.9                       | 35.6             | 4.61                                   | 2242         |