

Caledonian Cables Manufacture

CCVS

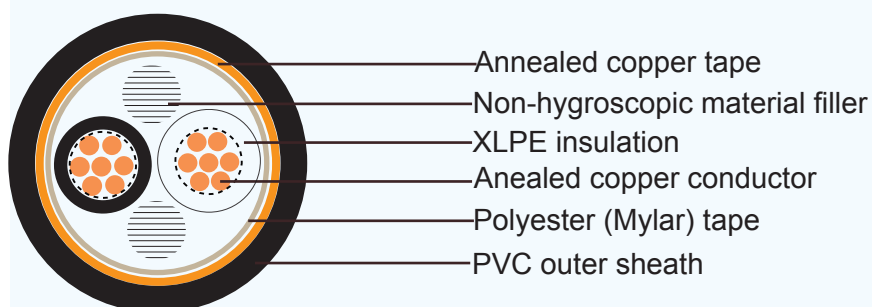
Application and Description:

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 mm² up to 10 mm²

Insulation: Cross-linked polyethylene(XLPE)

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: Annealed copper tape, 0.1mm

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





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 ²	mm	mm					
2	1.5	7 / 0.53	1.59	0.8	1.8	11.4	12.1	168
	2.5	7 / 0.67	2.01	0.8	1.8	12.3	7.41	193
	4	7 / 0.85	2.55	1.0	1.8	14.2	4.61	257
	6	7 / 1.04	3.12	1.0	1.8	15.4	3.08	310
	10	7 / 1.35	4.05	1.0	1.8	16.9	1.83	363
3	1.5	7 / 0.53	1.59	0.8	1.8	11.9	12.1	189
	2.5	7 / 0.67	2.01	0.8	1.8	12.9	7.41	234
	4	7 / 0.85	2.55	1.0	1.8	15.0	4.61	321
	6	7 / 1.04	3.12	1.0	1.8	16.2	3.08	395
	10	7 / 1.35	4.05	1.0	1.8	17.9	1.83	477
4	1.5	7 / 0.53	1.59	0.8	1.8	12.8	12.1	227
	2.5	7 / 0.67	2.01	0.8	1.8	13.9	7.41	275
	4	7 / 0.85	2.55	1.0	1.8	16.2	4.61	375
	6	7 / 1.04	3.12	1.0	1.8	17.6	3.08	463
	10	7 / 1.35	4.05	1.0	1.8	19.5	1.83	605
5	1.5	7 / 0.53	1.59	0.8	1.8	13.8	12.1	257
	2.5	7 / 0.67	2.01	0.8	1.8	15.0	7.41	317
	4	7 / 0.85	2.55	1.0	1.8	17.3	4.61	450
	6	7 / 1.04	3.12	1.0	1.8	19.2	3.08	566
	10	7 / 1.35	4.05	1.0	1.8	21.4	1.83	730
6	1.5	7 / 0.53	1.59	0.8	1.8	14.8	12.1	288
	2.5	7 / 0.67	2.01	0.8	1.8	16.1	7.41	362
	4	7 / 0.85	2.55	1.0	1.8	19.0	4.61	526
	6	7 / 1.04	3.12	1.0	1.8	20.8	3.08	654
	10	7 / 1.35	4.05	1.0	1.8	23.2	1.83	878

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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 ²	mm	mm					
7	1.5	7 / 0.53	1.59	0.8	1.8	14.8	12.1	319
	2.5	7 / 0.67	2.01	0.8	1.8	16.1	7.41	402
	4	7 / 0.85	2.55	1.0	1.8	19.0	4.61	583
	6	7 / 1.04	3.12	1.0	1.8	20.8	3.08	750
	10	7 / 1.35	4.05	1.0	1.8	23.2	1.83	1012
8	1.5	7 / 0.53	1.59	0.8	1.8	15.8	12.1	362
	2.5	7 / 0.67	2.01	0.8	1.8	17.3	7.41	458
	4	7 / 0.85	2.55	1.0	1.8	20.5	4.61	658
	6	7 / 1.04	3.12	1.0	1.8	21.7	3.08	839
	10	7 / 1.35	4.05	1.0	1.8	24.5	1.83	1124
10	1.5	7 / 0.53	1.59	0.8	1.8	18.2	12.1	458
	2.5	7 / 0.67	2.01	0.8	1.8	19.9	7.41	582
	4	7 / 0.85	2.55	1.0	1.8	23.8	4.61	842
	6	7 / 1.04	3.12	1.0	1.8	22.4	3.08	1069
	10	7 / 1.35	4.05	1.0	1.8	29.6	1.83	1442
12	1.5	7 / 0.53	1.59	0.8	1.8	18.7	12.1	512
	2.5	7 / 0.67	2.01	0.8	1.8	20.5	7.41	647
	4	7 / 0.85	2.55	1.0	1.8	24.6	4.61	958
	6	7 / 1.04	3.12	1.0	1.8	27.0	3.08	1236
	10	7 / 1.35	4.05	1.0	1.8	30.5	1.83	1689
15	1.5	7 / 0.53	1.59	0.8	1.8	20.0	12.1	597
	2.5	7 / 0.67	2.01	0.8	1.8	22.1	7.41	777
	4	7 / 0.85	2.55	1.0	1.8	26.4	4.61	1126
	6	7 / 1.04	3.12	1.0	1.8	29.1	3.08	1462
20	1.5	7 / 0.53	1.59	0.8	1.8	22.1	12.1	706
	2.5	7 / 0.67	2.01	0.8	1.8	24.5	7.41	931
	4	7 / 0.85	2.55	1.0	1.8	29.5	4.61	1427
	6	7 / 1.04	3.12	1.0	1.8	32.5	3.08	1886
30	1.5	7 / 0.53	1.59	0.8	1.8	26.3	12.1	1002
	2.5	7 / 0.67	2.01	0.8	1.8	28.2	7.41	1302
	4	7 / 0.85	2.55	1.0	1.9	35.6	4.61	2024

