

Caledonian Cables Manufacture

CCE

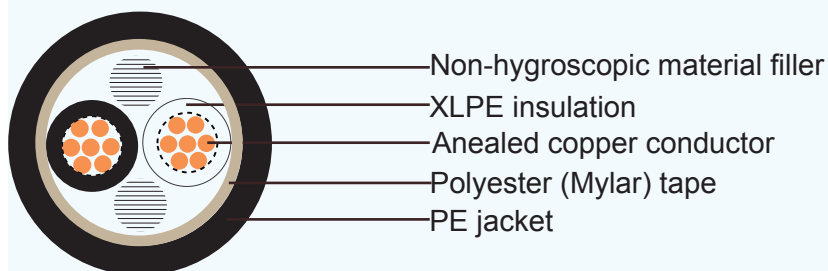
Application and Description:

For supervisory electrical equipment, station control circuits, outdoor, suitable installation in dry or wet cable trenches.

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)

Sheath: Polyethylene(PE), Black color (A special flame retardant sheath 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 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	0.7	1.8	10.5	12.1	110
	2.5	7/0.67	2.01	0.7	1.8	11.5	7.41	130
	4	7/0.85	2.55	0.7	1.8	12.5	4.61	170
	6	7/1.04	3.12	0.7	1.8	13.5	3.08	230
	10	7/1.35	4.05	0.7	1.8	15.5	1.83	320
3	1.5	7/0.53	1.59	0.7	1.8	11.0	12.1	130
	2.5	7/0.67	2.01	0.7	1.8	12.0	7.41	170
	4	7/0.85	2.55	0.7	1.8	13.0	4.61	230
	6	7/1.04	3.12	0.7	1.8	14.5	3.08	300
	10	7/1.35	4.05	0.7	1.8	16.5	1.83	440
4	1.5	7/0.53	1.59	0.7	1.8	12.0	12.1	160
	2.5	7/0.67	2.01	0.7	1.8	13.0	7.41	220
	4	7/0.85	2.55	0.7	1.8	14.5	4.61	290
	6	7/1.04	3.12	0.7	1.8	15.5	3.08	390
	10	7/1.35	4.05	0.7	1.8	18.0	1.83	570
5	1.5	7/0.53	1.59	0.7	1.8	13.0	12.1	200
	2.5	7/0.67	2.01	0.7	1.8	14.0	7.41	260
	4	7/0.85	2.55	0.7	1.8	15.5	4.61	350
	6	7/1.04	3.12	0.7	1.8	17.0	3.08	470
	10	7/1.35	4.05	0.7	1.8	19.5	1.83	700
6	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	230
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	310
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	420
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	560
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	820

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NO. of Cores	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 ²	mm	mm					
7	1.5	7/0.53	1.59	0.7	1.8	13.5	12.1	240
	2.5	7/0.67	2.01	0.7	1.8	15.0	7.41	330
	4	7/0.85	2.55	0.7	1.8	16.5	4.61	450
	6	7/1.04	3.12	0.7	1.8	18.5	3.08	610
	10	7/1.35	4.05	0.7	1.8	21.0	1.83	910
8	1.5	7/0.53	1.59	0.7	1.8	15.0	12.1	290
	2.5	7/0.67	2.01	0.7	1.8	16.5	7.41	380
	4	7/0.85	2.55	0.7	1.8	18.5	4.61	520
	6	7/1.04	3.12	0.7	1.8	20.5	3.08	710
	10	7/1.35	4.05	0.7	1.8	23.5	1.83	1060
10	1.5	7/0.53	1.59	0.7	1.8	17.0	12.1	350
	2.5	7/0.67	2.01	0.7	1.8	18.5	7.41	470
	4	7/0.85	2.55	0.7	1.8	20.5	4.61	640
	6	7/1.04	3.12	0.7	1.8	23.0	3.08	870
	10	7/1.35	4.05	0.7	1.8	26.5	1.83	1300
12	1.5	7/0.53	1.59	0.7	1.8	17.5	12.1	400
	2.5	7/0.67	2.01	0.7	1.8	19.0	7.41	540
	4	7/0.85	2.55	0.7	1.8	21.5	4.61	750
	6	7/1.04	3.12	0.7	1.8	23.5	3.08	1020
	10	7/1.35	4.05	0.7	1.8	27.5	1.83	1530
15	1.5	7/0.53	1.59	0.7	1.8	19.0	12.1	480
	2.5	7/0.67	2.01	0.7	1.8	21.0	7.41	660
	4	7/0.85	2.55	0.7	1.8	23.5	4.61	920
	6	7/1.04	3.12	0.7	1.8	26.0	3.08	1250
20	1.5	7/0.53	1.59	0.7	1.8	21.0	12.1	620
	2.5	7/0.67	2.01	0.7	1.8	23.0	7.41	850
	4	7/0.85	2.55	0.7	1.8	26.0	4.61	1190
	6	7/1.04	3.12	0.7	1.8	29.0	3.08	1630
30	1.5	7/0.53	1.59	0.7	1.8	24.0	12.1	890
	2.5	7/0.67	2.01	0.7	1.8(1.9)	27.0	7.41	1220
	4	7/0.85	2.55	0.7	1.8(1.9)	30.5	4.61	1720

