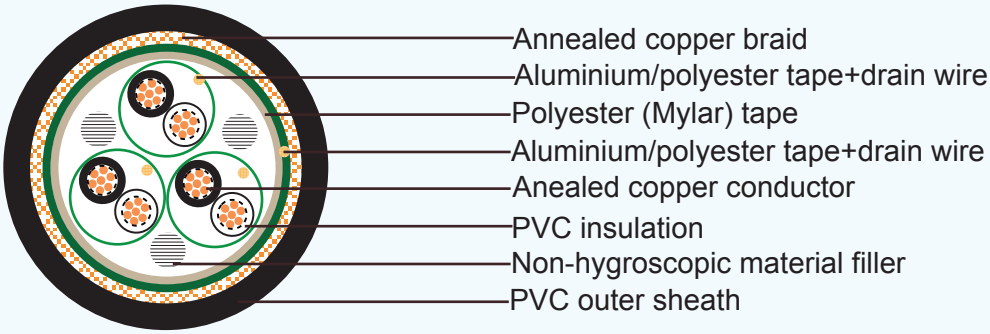
CVV-I/C SB

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: 1.0 mm^2 up to 2.5 mm^2

Insulation: Polyvinyl chloride (PVC)

Color : Black and white with marking numbers

Pairing: Two 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 1: Aluminium/polyester tape is applied over each pair metallic side down in contact with tinned copper drain wire.

Overall Screen 2: Annealed copper braid.

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	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	mm	mm	mm	Ohm/km	kg/km
1	1	7/0.44	1.32	0.8	1.8	9.5	18.1	110
	1.5	7/0.53	1.59	0.8	1.8	10.5	12.1	130
	2.5	7/0.67	2.01	0.8	1.8	11.5	7.41	160
2	1	7/0.44	1.32	0.8	1.8	16.5	18.1	230
	1.5	7/0.53	1.59	0.8	1.8	18.0	12.3	290
	2.5	7/0.67	2.01	0.8	1.8	20.0	7.56	360
3	1	7/0.44	1.32	0.8	1.8	17.0	18.1	270
	1.5	7/0.53	1.59	0.8	1.8	19.5	12.3	350
	2.5	7/0.67	2.01	0.8	1.8	21.0	7.56	440
4	1	7/0.44	1.32	0.8	1.8	18.5	18.1	320
	1.5	7/0.53	1.59	0.8	1.8	21.0	12.3	420
	2.5	7/0.67	2.01	0.8	1.8	23.0	7.56	530
5	1	7/0.44	1.32	0.8	1.8	21.0	18.1	370
	1.5	7/0.53	1.59	0.8	1.8	23.0	12.3	500
	2.5	7/0.67	2.01	0.8	1.8	25.0	7.56	640
6	1	7/0.44	1.32	0.8	1.8	22.0	18.1	430
	1.5	7/0.53	1.59	0.8	1.8	25.0	12.3	590
	2.5	7/0.67	2.01	0.8	1.8	27.5	7.56	750
7	1	7/0.44	1.32	0.8	1.8	22.0	18.1	460
	1.5	7/0.53	1.59	0.8	1.8	25.0	12.3	620
	2.5	7/0.67	2.01	0.8	1.8	27.5	7.56	800
8	1	7/0.44	1.32	0.8	1.8	24.0	18.1	520
	1.5	7/0.53	1.59	0.8	1.8	27.0	12.3	710
	2.5	7/0.67	2.01	0.8	1.9	30.0	7.56	930
9	1	7/0.44	1.32	0.8	1.8	25.5	18.1	590
	1.5	7/0.53	1.59	0.8	1.9	29.0	12.3	820
	2.5	7/0.67	2.01	0.8	2.0	32.5	7.56	1070

No. of Pairs	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	mm	mm	mm	Ohm/km	kg/km
10	1	7/0.44	1.32	0.8	1.8	27.5	18.1	670
	1.5	7/0.53	1.59	0.8	2.0	32.0	12.3	950
	2.5	7/0.67	2.01	0.8	2.1	35.5	7.56	1240
11	1	7/0.44	1.32	0.8	1.8	17.5	18.1	690
	1.5	7/0.53	1.59	0.8	2.0	32.0	12.3	990
	2.5	7/0.67	2.01	0.8	2.1	35.5	7.56	1300
12	1	7/0.44	1.32	0.8	1.8	29.0	18.1	750
	1.5	7/0.53	1.59	0.8	2.0	33.0	12.3	1,060
	2.5	7/0.67	2.01	0.8	2.1	36.5	7.56	1,390
13	1	7/0.44	1.32	0.8	1.8	29.5	18.1	790
	1.5	7/0.53	1.59	0.8	2.0	33.5	12.3	1,110
	2.5	7/0.67	2.01	0.8	2.2	37.5	7.56	1,480
14	1	7/0.44	1.32	0.8	1.8	30.5	18.1	840
	1.5	7/0.53	1.59	0.8	2.1	35.0	12.3	1,200
	2.5	7/0.67	2.01	0.8	2.2	39.0	7.56	1,580
15	1	7/0.44	1.32	0.8	1.8	31.0	18.1	880
	1.5	7/0.53	1.59	0.8	2.1	36.0	12.3	1,270
	2.5	7/0.67	2.01	0.8	2.2	40.0	7.56	1,680
16	1	7/0.44	1.32	0.8	1.8	32.0	18.1	950
	1.5	7/0.53	1.59	0.8	2.1	37.0	12.3	1,340
	2.5	7/0.67	2.01	0.8	2.3	41.0	7.56	1,790
17	1	7/0.44	1.32	0.8	1.8	33.0	18.1	1,000
	1.5	7/0.53	1.59	0.8	2.2	38.0	12.3	1,440
	2.5	7/0.67	2.01	0.8	2.3	42.5	7.56	1,890
18	1	7/0.44	1.32	0.8	1.8	34.0	18.1	1,090
	1.5	7/0.53	1.59	0.8	2.2	39.0	12.3	1,510
	2.5	7/0.67	2.01	0.8	2.4	43.5	7.56	2,010
19	1	7/0.44	1.32	0.8	1.8	9.5	18.1	1,070
	1.5	7/0.53	1.59	0.8	2.2	34.0	12.3	1,550
	2.5	7/0.67	2.01	0.8	2.4	43.5	7.56	2,060

Caledonian Cables Manufacture

No. of Pairs	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	mm	mm	mm	Ohm/km	kg/km
20	1	7/0.44	1.32	0.8	1.8	35.0	18.1	1,140
	1.5	7/0.53	1.59	0.8	2.2	40.5	12.3	1,630
	2.5	7/0.67	2.01	0.8	2.4	45.0	7.56	2,170
21	1	7/0.44	1.32	0.8	1.8	36.0	18.1	1,190
	1.5	7/0.53	1.59	0.8	2.3	41.5	12.3	1,720
	2.5	7/0.67	2.01	0.8	2.4	46.0	7.56	2,270
22	1	7/0.44	1.32	0.8	1.8	37.0	18.1	1,250
	1.5	7/0.53	1.59	0.8	2.3	42.5	12.3	1,810
	2.5	7/0.67	2.01	0.8	2.5	47.5	7.56	2,410
23	1	7/0.44	1.32	0.8	1.8	38.5	18.1	1,400
	1.5	7/0.53	1.59	0.8	2.4	46.0	12.3	2,010
	2.5	7/0.67	2.01	0.8	2.6	51.5	7.56	2,670
24	1	7/0.44	1.32	0.8	1.8	39.5	18.1	1,430
	1.5	7/0.53	1.59	0.8	2.4	46.0	12.3	2,050
	2.5	7/0.67	2.01	0.8	2.6	51.5	7.56	2,720
25	1	7/0.44	1.32	0.8	1.8	40.0	18.1	1,450
	1.5	7/0.53	1.59	0.8	2.4	46.0	12.3	2,080
	2.5	7/0.67	2.01	0.8	2.6	51.5	7.56	2,770
26	1	7/0.44	1.32	0.8	1.8	41.0	18.1	1,520
	1.5	7/0.53	1.59	0.8	2.5	47.5	12.3	2,190
	2.5	7/0.67	2.01	0.8	2.7	53.0	7.56	2,910
27	1	7/0.44	1.32	0.8	1.8	41.0	18.1	1,540
	1.5	7/0.53	1.59	0.8	2.5	47.5	12.3	2,220
	2.5	7/0.67	2.01	0.8	2.7	53.0	7.56	2,960
28	1	7/0.44	1.32	0.8	1.8	41.5	18.1	1,570
	1.5	7/0.53	1.59	0.8	2.5	47.5	12.3	2,260
	2.5	7/0.67	2.01	0.8	2.7	53.0	7.56	3,010
29	1	7/0.44	1.32	0.8	1.8	42.5	18.1	1,650
	1.5	7/0.53	1.59	0.8	2.5	49.0	12.3	2,380
	2.5	7/0.67	2.01	0.8	2.7	55.0	7.56	3,170

No. of Pairs	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	mm	mm	mm	Ohm/km	kg/km
30	1	7/0.44	1.32	0.8	1.8	42.5	18.1	1,670
	1.5	7/0.53	1.59	0.8	2.5	49.0	12.3	2,410
	2.5	7/0.67	2.01	0.8	2.7	55.0	7.56	3,220