Caledonian Cables Ltd

JIS Industrial Cables

JIS C 3401
JIS C 3605
JIS C 3342

www.caledonian-cables.co.uk
www.caledonian-cables.com

Addison

Company Profile

Caledonian. established in 1978.offers one of the most complete lines of fiber and copper cabling system solutions with over hundreds of different cabling system products. . Our superior products provide leading edge within every cable series and for every application.

Among the national and international standards with which our cables could comply are: BS - British Standard; LPCB Fire Performance Standard. ISO Standard etc. Caledonian Cables offers a comprehensive stock of cables and cabling products through its nationwide network of resellers and distributors. Caledonian Cables has continually expanded its global presence in Europe and Asia.

Caledonian & Addison. produces a wide range of cables for communication. power and electronics in its primary plants in UK. Italy and Spain. To stay in front. we continually keep expanding our manufacturing capabilities in more low cost region such as Romania. Taiwan. Malaysia etc. This low-cost manufacturing facilities enable us provide a flexible. scalable global system that delivers superior operational performance and optimal results for our customers.

Our extensive global network of manufacturing facilities gives us significant scale and the flexibility to fulfill our customer requirements. This global presence provides design and consultancy solutions that are combined with core cable manufacturing. logistic services. and vertically integrated with our E commerce technologies. to optimize customer operations by lowering costs and reducing time to market.

Caledonian & Addison has been respected for its high standards of quality. excellent service level. competitive pricing and a unique and innovative spirit. With our latest technologies. we are both inspired and well-positioned to meet the changing needs of our customers. We have the resources to diversify and to enhance our product lines and services. We understand the need for change and with our accurate planning. we are ready for the future and the promise of new marketing opportunities. Our tradition of growth through excellence is assured.

Our Design Centers work closely with customers to constantly improve its standard range of products and technologies and to develop customized. country and industry-specific solutions. Caledonian & Addison has established an extensive network of design. manufacturing. and logistics facilities in the world’s major markets to serve the growing outsourcing needs of both multinational and regional customers.

Our Certificate

REGISTRATION CERTIFICATE

This document certifies that the administration systems of

Caledonian Cables Limited / Addison Technology Limited

Marchants Industrial Centre, Mill Lane, Laughton, Lewes, Sussex, BN8 6AJ, United Kingdom

have been assessed and approved by QAS International to the following management systems, standards and guidelines:

ISO 9001 : 2008

With the permitted exclusion of clauses 7.3 Design and Development

The approved administration systems apply to the following:

The manufacture and supply of electrical cables and ancillary power equipment to customers internationally.

Original Approval	6th September 1997
Current Certificate	7th February 2014
Certificate Expiry	7th February 2015
Certificate Number	A6211

Signed: Certification Officer

On behalf of QAS International

This certificate remains valid while the holder maintains their quality administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International. The holder is entitled to display the above registration mark for the duration of this certificate, which should be returned to QAS International upon reasonable request.
Issuing Office: QAS International, 20A Oxford Street, Malmesbury, Wiltshire SN16 9AX, UK

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JIS C 3401 Cables

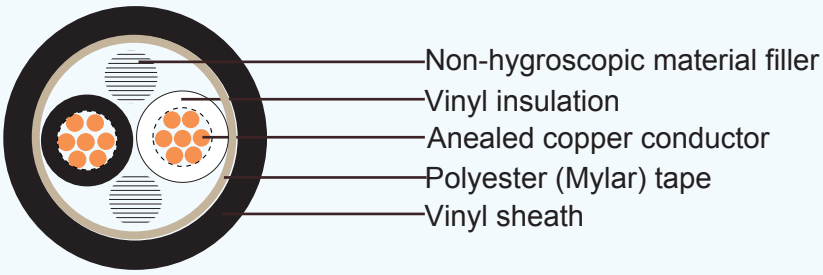
CVV

Application and Description:

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

Name Code:

C: For control
V: Vinyl
V: Vinyl



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Vinyl
Color :
2 cores- Black and white
3 cores- Black, white and red
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: Vinyl, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	100
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	130
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	175
	5.5	7/1.0	3	1	1.5	)3.5	3.4	245
	8	7/1.2	3.6	1.2	1.5	15.5	2.36	335
	8	compacted	3.4	1.2	1.5		2.34	325
	14	7/1.6	4.8	1.4	1.5	19	1.33	520
	14	compacted	4.4	1.4	1.5	18	1.34	500
	22	7/2.0	6	1.6	1.6	23	0.84	760
	22	compacted	5.5	1.6	1.5	21	0.849	715
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	120
	2	71'0.6	1.8	0.8	1.5	11	9.42	160
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	220
	5.5	7/1.0	3	1	1.5	14.5	3.4	320
	8	7/1.2	3.6	1.2	1.5	16.5	2.36	440
	8	compacted	3.4	1.2	1.5	16	2.34	425
	14	7/1.6	4.8	1.4	1.5	20	1.33	690
	14	compacted	4.4	1.4	1.5	19	1.34	665
	22	7/2.0	6	1.6	1.6	24	0.84	1020
	22	compacted	5.5	1.6	1.6	23	0.849	975
4	1.25	71'0.45	1.35	0.8	1.5	11	16.8	145
	2	7/0.6	1.8	0.8	1.5	12	9.42	195
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	275
	5.5	7/1.0	3	1	1.5	16	3.4	400
	8	7/1.2	3.6	1.2	1.5	18	2.36	555
	8	compacted	3.4	1.2	1.5	17.5	2.34	535
	14	7/1.6	4.8	1.4	1.6	22	1.33	890
	14	compacted	4.4	1.4	1.5	2 1	1.34	855
	22	7/2.0	6	1.6	1.7	27	0.84	1320
	22	compacted	5.5	1.6	1.7	25	0.849	1260

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	170
	2	7/0.6	1.8	0.8	1.5	13	9.42	230
	3.5	71'0.8	2.4	0.8	1.5	14.5	5.3	330
	5.5	7/1.0	3	1	1.5	17	3.4	485
	8	7/1.2	3.6	1.2	1.5	20	2.36	675
	8	compacted	3.4	1.2	1.5	19.5	2.34	655
	14	7/1.6	4.8	1.4	1.6	25	1.33	1090
	14	compacted	4.4	1.4	1.6	24	1.34	1060
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	200
	2	7/0.6	1.8	0.8	1.5	14	9.42	270
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	390
	5.5	7/1.0	3	1	1.5	18.5	3.4	570
	8	7/1.2	3.6	1.2	1.5	22	2.36	800
	8	compacted	3.4	1.2	1.5	21	2.34	775
	14	7/1.6	4.8	1.4	1.7	27	1.33	1310
	14	compacted	4.4	1.4	1.7	26	1.34	1270
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	215
	2	7/0.6	1.8	0.8	1.5	14	9.42	295
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	425
	5.5	7/1.0	3	1	1.5	18.5	3.4	630
	8	7/1.2	3.6	1.2	1.5	22	2.36	885
	8	compacted	3.4	1.2	1.5	21	2.34	860
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	240
	2	7/0.6	1.8	0.8	1.5	15	9.42	335
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	485
	5.5	7/1.0	3	1	1.5	20	3.4	720
	8	7/1.2	3.6	1.2	1.6	24	2.36	1030
	8	compacted	3.4	1.2	1.6	23	2.34	995

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	305
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	425
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	620
	5.5	7/1.0	3	1	1.6	24	3.4	930
	8	7/1.2	3.6	1.2	1.8	29	2.36	1340
	8	compacted	3.4	1.2	1.7	28	2.34	1290
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	345
	2	7/0.6	1.8	0.8	1.5	18	9.42	480
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	705
	5.5	7/1.0	3	1	1.7	25	3.4	1080
	8	7/1.2	3.6	1.2	1.8	29	2.36	1540
	8	compacted	3.4	1.2	1.8		2.34	1490
15	1.25	7/0.45	1.35	0.8	1.5	17	16.8	405
	2	7/0.6	1.8	0.8	1.5	19	9.42	575
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	855
	5.5	7/1.0	3	1	1.7	27	3.4	1310
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	515
	2	7/0.6	1.8	0.8	1.5	22	9.42	735
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1120
	5.5	7/1.0	3	1	1.9	31	3.4	1720
30	1.25	7/0.45	1.35	0.8	L.6	23	16.8	750
	2	7/0.6	1.8	0.8	1.7	26	9.42	1100
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1660

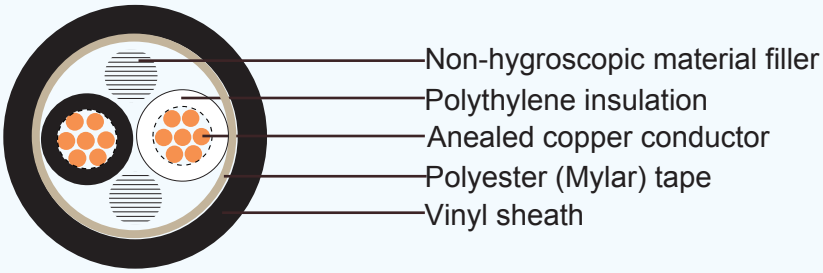
CEV

Application and Description:

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

Name Code:

C: For control
E: Polythylene
V: Vinyl



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
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: Polyvinyl chloride (PVC), Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	95
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	125
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	165
	5.5	7/1.0	3	1	1.5	13.5	3.4	235
	8	7/1.2	3.6	1	1.5	15	2.36	300
	8	compacted	3.4	1	1.5	14.5	2.34	290
	14	7/1.6	4.8	1	1.5	17.5	1.33	450
	14	compacted	4.4	1	1.5	16.5	1.34	435
	22	7/2.0	6	1.2	1.5	2]	0.84	660
	22	compacted	5.5		1.5	19.5	0.849	635
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	115
	2	7/0.6	1.8	0.8	1.5	11	9.42	150
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	210
	5.5	7/1.0	3	1	1.5	t4.5	3.4	300
	8	7/1.2	3.6	1	1.5	16	2.36	390
	8	compacted	3.4	1	1.5	15.5	2.34	380
	14	7/1.6	4.8	1	1.5	18.5	1.33	600
	14	compacted	4.4	1	1.5	17.5	1.34	585
	22	7/2.0	6	1.2	1.5	22	0.84	890
	22	compacted	5.5	1.2	1.5	21	0.849	8ω
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	135
	2	7/0.6	1.8	0.8	1.5	12	9.42	180
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	260
	5.5	7/1.0	3	1	1.5	16	3.4	375
	8	41832	3.6	1	1.5	17	2.36	490
	8	compacted	3.4	1	1.5	16.5	2.34	475
	14	7/1.6	4.8	1	1.5	20	1.33	765
	14	compacted	4.4	1	1.5	19	1.34	745
	22	7/2.0	6	1.2	1.6	24	0.84	1160
	22	compacted	5.5	1.2	1.6	23	0.849	1120

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	160
	2	7/0.6	1.8	0.8	1.5	13	9.42	215
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	310
	5.5	7/1.0	3	1	1.5	17	3.4	450
	8	7/ 1.2	3.6	1	1.5	19	2.36	595
		compacted	3.4	1	1.5	18.5	2.34	580
	14	7/1.6	4.8	1	1.6	23	1.33	945
		compacted	4.4	1	1.5	21	1.34	915
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	185
	2	7/0.6	1.8	0.8	1.5	14	9.42	250
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	365
	5.5	7/1.0	3	1	1.5	18.5	3.4	530
	8	7/1.2	3.6	1	1.5	21	2.36	705
	8	compacted	3.4	1	1.5	20	2.34	690
	14	711.6	4.8	1	1.6	25	1.33	1130
	14	compacted	4.4	1	1.6	23	1.34	1100
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	195
	2	7/0.6	1.8	0.8	1.5	14	9.42	270
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	395
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	585
	8	7/1.2	3.6	1	1.5	21	2.36	780
	8	compacted	3.4	1	1.5	20	2.34	760
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	220
	2	7/0.6	1.8	0.8	1.5	15	9.42	305
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	450
	5.5	7/1.0	3	1	1.5	20	3.4	665
	8	7/ 1.2	3.6	1	1.6	23	2.36	900
	8	compacted	3.4	1	1.5	22	2.34	870

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	275
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	390
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	575
	5.5	7/1.0	3	1	1.6	24	3.4	865
	8	7/ 1.2	3.6	1	1.7	27	2.36	1170
	8	compacted	3.4	1	1.7	26	2.34	1140
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	310
	2	7/0.6	1.8	0.8	1.5	18	9.42	440
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	655
	5.5	7/1.0	3	1	1.7	25	3.4	1000
	8	7/ 1.2	3.6	1	1.8	28	2.36	1350
	8	compacted	3.4	1	1.7	27	2.34	1310
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	365
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	525
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	790
	5.5	7/1.0	3	I.0	1.7	27	3.4	1210
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	460
	2	7/0.6	1.8	0.8	1.5	22	9.42	670
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1030
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1 590
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	665
	2	7/0.6	1.8	0.8	1.7	26	9.42	990
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1530

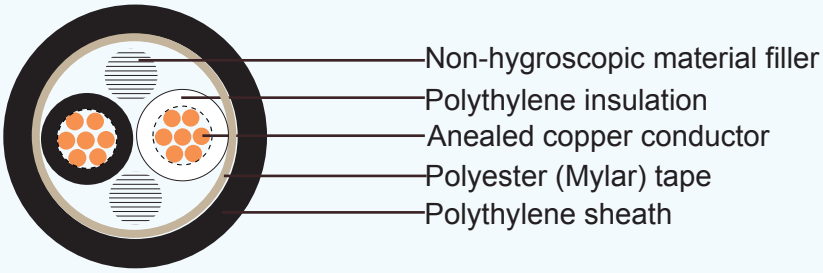
CEE

Application and Description:

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

Name Code:

C: For control
E: Polythylene
E: Polythylene



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
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

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	80
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	105
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	145
	5.5	7/1.0	3	1	1.5	13.5	3.4	205
	8	7/1.2	3.6	1	1.5	15	2.36	270
	8	compacted	3.4	1	1.5	14.5	2.34	260
	14	7/1.6	4.8	1	1.5	17.5	1.33	415
	14	compacted	4.4	1	1.5	16.5	1.34	405
	22	7/2.0	6	1.2	1.5	2]	0.84	620
	22	compacted	5.5		1.5	19.5	0.849	595
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	95
	2	7/0.6	1.8	0.8	1.5	11	9.42	130
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	185
	5.5	7/1.0	3	1	1.5	t4.5	3.4	270
	8	7/1.2	3.6	1	1.5	16	2.36	355
	8	compacted	3.4	1	1.5	15.5	2.34	345
	14	7/1.6	4.8	1	1.5	18.5	1.33	560
	14	compacted	4.4	1	1.5	17.5	1.34	550
	22	7/2.0	6	1.2	1.5	22	0.84	845
	22	compacted	5.5	1.2	1.5	21	0.849	815
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	115
	2	7/0.6	1.8	0.8	1.5	12	9.42	160
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	230
	5.5	7/1.0	3	1	1.5	16	3.4	340
	8	41832	3.6	1	1.5	17	2.36	455
	8	compacted	3.4	1	1.5	16.5	2.34	445
	14	7/1.6	4.8	1	1.5	20	1.33	720
	14	compacted	4.4	1	1.5	19	1.34	705
	22	7/2.0	6	1.2	1.6	24	0.84	1100
	22	compacted	5.5	1.2	1.6	23	0.849	1070

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	135
	2	7/0.6	1.8	0.8	1.5	13	9.42	190
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	280
	5.5	7/1.0	3	1	1.5	17	3.4	415
	8	7/ 1.2	3.6	1	1.5	19	2.36	555
		compacted	3.4	1	1.5	18.5	2.34	545
	14	7/1.6	4.8	1	1.6	23	1.33	895
		compacted	4.4	1	1.5	21	1.34	870
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	160
	2	7/0.6	1.8	0.8	1.5	14	9.42	225
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	330
	5.5	7/1.0	3	1	1.5	18.5	3.4	495
	8	7/1.2	3.6	1	1.5	21	2.36	665
	8	compacted	3.4	1	1.5	20	2.34	650
	14	711.6	4.8	1	1.6	25	1.33	1070
	14	compacted	4.4	1	1.6	23	1.34	1050
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	170
	2	7/0.6	1.8	0.8	1.5	14	9.42	240
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	365
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	545
	8	7/1.2	3.6	1	1.5	21	2.36	735
	8	compacted	3.4	1	1.5	20	2.34	720
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	190
	2	7/0.6	1.8	0.8	1.5	15	9.42	275
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	420
	5.5	7/1.0	3	1	1.5	20	3.4	625
	8	7/ 1.2	3.6	1	1.6	23	2.36	855
	8	compacted	3.4	1	1.5	22	2.34	830

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	245
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	355
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	535
	5.5	7/1.0	3	1	1.6	24	3.4	810
	8	7/ 1.2	3.6	1	1.7	27	2.36	1100
	8	compacted	3.4	1	1.7	26	2.34	1080
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	275
	2	7/0.6	1.8	0.8	1.5	18	9.42	400
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	615
	5.5	7/1.0	3	1	1.7	25	3.4	940
	8	7/ 1.2	3.6	1	1.8	28	2.36	1280
	8	compacted	3.4	1	1.7	27	2.34	1250
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	330
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	485
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	745
	5.5	7/1.0	3	I.0	1.7	27	3.4	1140
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	420
	2	7/0.6	1.8	0.8	1.5	22	9.42	625
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	975
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1510
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	615
	2	7/0.6	1.8	0.8	1.7	26	9.42	930
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1460

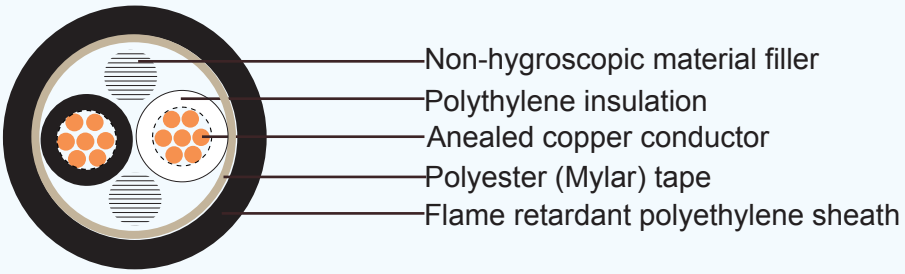
CEE/F(EM-CEE)

Application and Description:

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

Name Code:

C: For control
E: Polythylene
E: Polythylene
/F: Flame retardant



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
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: Flame retardant polyethylene, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	90
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	115
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	160
	5.5	7/1.0	3	1	1.5	13.5	3.4	225
	8	7/1.2	3.6	1	1.5	15	2.36	290
	8	compacted	3.4	1	1.5	14.5	2.34	280
	14	7/1.6	4.8	1	1.5	17.5	1.33	440
	14	compacted	4.4	1	1.5	16.5	1.34	425
	22	7/2.0	6	1.2	1.5	2]	0.84	650
	22	compacted	5.5		1.5	19.5	0.849	620
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	105
	2	7/0.6	1.8	0.8	1.5	11	9.42	140
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	200
	5.5	7/1.0	3	1	1.5	t4.5	3.4	290
	8	7/1.2	3.6	1	1.5	16	2.36	380
	8	compacted	3.4	1	1.5	15.5	2.34	370
	14	7/1.6	4.8	1	1.5	18.5	1.33	585
	14	compacted	4.4	1	1.5	17.5	1.34	570
	22	7/2.0	6	1.2	1.5	22	0.84	875
	22	compacted	5.5	1.2	1.5	21	0.849	845
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	125
	2	7/0.6	1.8	0.8	1.5	12	9.42	175
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	250
	5.5	7/1.0	3	1	1.5	16	3.4	360
	8	41832	3.6	1	1.5	17	2.36	475
	8	compacted	3.4	1	1.5	16.5	2.34	465
	14	7/1.6	4.8	1	1.5	20	1.33	750
	14	compacted	4.4	1	1.5	19	1.34	730
	22	7/2.0	6	1.2	1.6	24	0.84	1140
	22	compacted	5.5	1.2	1.6	23	0.849	1110

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	150
	2	7/0.6	1.8	0.8	1.5	13	9.42	205
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	300
	5.5	7/1.0	3	1	1.5	17	3.4	440
	8	7/ 1.2	3.6	1	1.5	19	2.36	580
		compacted	3.4	1	1.5	18.5	2.34	570
	14	7/1.6	4.8	1	1.6	23	1.33	930
		compacted	4.4	1	1.5	21	1.34	900
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	175
	2	7/0.6	1.8	0.8	1.5	14	9.42	240
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	355
	5.5	7/1.0	3	1	1.5	18.5	3.4	520
	8	7/1.2	3.6	1	1.5	21	2.36	690
	8	compacted	3.4	1	1.5	20	2.34	675
	14	711.6	4.8	1	1.6	25	1.33	1110
	14	compacted	4.4	1	1.6	23	1.34	1080
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	185
	2	7/0.6	1.8	0.8	1.5	14	9.42	260
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	385
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	570
	8	7/1.2	3.6	1	1.5	21	2.36	765
	8	compacted	3.4	1	1.5	20	2.34	750
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	210
	2	7/0.6	1.8	0.8	1.5	15	9.42	295
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	440
	5.5	7/1.0	3	1	1.5	20	3.4	655
	8	7/ 1.2	3.6	1	1.6	23	2.36	885
	8	compacted	3.4	1	1.5	22	2.34	855

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	265
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	375
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	560
	5.5	7/1.0	3	1	1.6	24	3.4	845
	8	7/ 1.2	3.6	1	1.7	27	2.36	1150
	8	compacted	3.4	1	1.7	26	2.34	1120
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	300
	2	7/0.6	1.8	0.8	1.5	18	9.42	425
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	640
	5.5	7/1.0	3	1	1.7	25	3.4	980
	8	7/ 1.2	3.6	1	1.8	28	2.36	1330
	8	compacted	3.4	1	1.7	27	2.34	1290
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	355
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	510
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	775
	5.5	7/1.0	3	I.0	1.7	27	3.4	I190
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	445
	2	7/0.6	1.8	0.8	1.5	22	9.42	655
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1010
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1560
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	650
	2	7/0.6	1.8	0.8	1.7	26	9.42	970
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1510

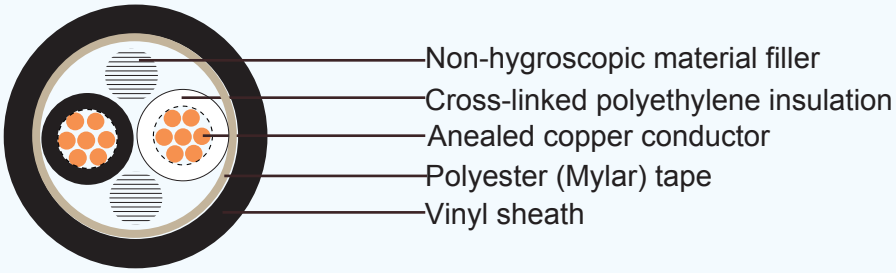
CCV

Application and Description:

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

Name Code:

C: For control
C: Cross polythylene
V: Vinyl



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Cross-linked polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
4 cores- Black, white, red and green
More than 4 cores: White core with marking numbers
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Vinyl, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	95
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	125
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	165
	5.5	7/1.0	3	1	1.5	13.5	3.4	235
	8	7/1.2	3.6	1	1.5	15	2.36	300
	8	compacted	3.4	1	1.5	14.5	2.34	290
	14	7/1.6	4.8	1	1.5	17.5	1.33	450
	14	compacted	4.4	1	1.5	16.5	1.34	435
	22	7/2.0	6	1.2	1.5	2]	0.84	660
	22	compacted	5.5		1.5	19.5	0.849	635
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	115
	2	7/0.6	1.8	0.8	1.5	11	9.42	150
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	210
	5.5	7/1.0	3	1	1.5	t4.5	3.4	300
	8	7/1.2	3.6	1	1.5	16	2.36	390
	8	compacted	3.4	1	1.5	15.5	2.34	380
	14	7/1.6	4.8	1	1.5	18.5	1.33	600
	14	compacted	4.4	1	1.5	17.5	1.34	585
	22	7/2.0	6	1.2	1.5	22	0.84	890
	22	compacted	5.5	1.2	1.5	21	0.849	8ω
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	135
	2	7/0.6	1.8	0.8	1.5	12	9.42	180
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	260
	5.5	7/1.0	3	1	1.5	16	3.4	375
	8	41832	3.6	1	1.5	17	2.36	490
	8	compacted	3.4	1	1.5	16.5	2.34	475
	14	7/1.6	4.8	1	1.5	20	1.33	765
	14	compacted	4.4	1	1.5	19	1.34	745
	22	7/2.0	6	1.2	1.6	24	0.84	1160
	22	compacted	5.5	1.2	1.6	23	0.849	1120

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	160
	2	7/0.6	1.8	0.8	1.5	13	9.42	215
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	310
	5.5	7/1.0	3	1	1.5	17	3.4	450
	8	7/ 1.2	3.6	1	1.5	19	2.36	595
		compacted	3.4	1	1.5	18.5	2.34	580
	14	7/1.6	4.8	1	1.6	23	1.33	945
		compacted	4.4	1	1.5	21	1.34	915
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	185
	2	7/0.6	1.8	0.8	1.5	14	9.42	250
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	365
	5.5	7/1.0	3	1	1.5	18.5	3.4	530
	8	7/1.2	3.6	1	1.5	21	2.36	705
	8	compacted	3.4	1	1.5	20	2.34	690
	14	711.6	4.8	1	1.6	25	1.33	1130
	14	compacted	4.4	1	1.6	23	1.34	1100
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	195
	2	7/0.6	1.8	0.8	1.5	14	9.42	270
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	395
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	585
	8	7/1.2	3.6	1	1.5	21	2.36	780
	8	compacted	3.4	1	1.5	20	2.34	760
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	220
	2	7/0.6	1.8	0.8	1.5	15	9.42	305
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	450
	5.5	7/1.0	3	1	1.5	20	3.4	665
	8	7/ 1.2	3.6	1	1.6	23	2.36	900
	8	compacted	3.4	1	1.5	22	2.34	870

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	275
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	390
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	575
	5.5	7/1.0	3	1	1.6	24	3.4	865
	8	7/ 1.2	3.6	1	1.7	27	2.36	1170
	8	compacted	3.4	1	1.7	26	2.34	1140
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	310
	2	7/0.6	1.8	0.8	1.5	18	9.42	440
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	655
	5.5	7/1.0	3	1	1.7	25	3.4	1000
	8	7/ 1.2	3.6	1	1.8	28	2.36	1350
	8	compacted	3.4	1	1.7	27	2.34	1310
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	365
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	525
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	790
	5.5	7/1.0	3	I.0	1.7	27	3.4	1210
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	460
	2	7/0.6	1.8	0.8	1.5	22	9.42	670
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1030
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1 590
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	665
	2	7/0.6	1.8	0.8	1.7	26	9.42	990
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1530

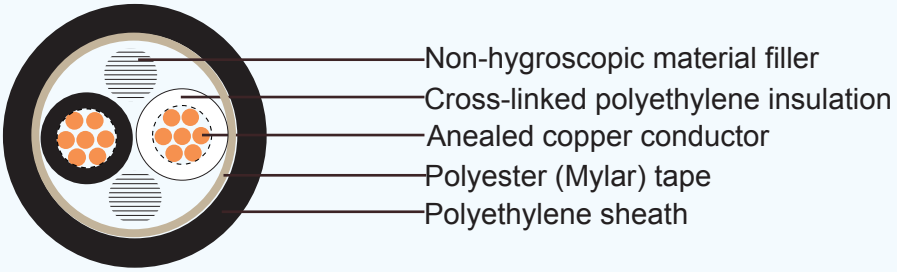
CCE

Application and Description:

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

Name Code:

C: For control
C: Cross polythylene
E: Polythylene



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Cross-linked polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
4 cores- Black, white, red and green
More than 4 cores: White core with marking numbers
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Polyethylene (PE), Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	80
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	105
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	145
	5.5	7/1.0	3	1	1.5	13.5	3.4	205
	8	7/1.2	3.6	1	1.5	15	2.36	270
	8	compacted	3.4	1	1.5	14.5	2.34	260
	14	7/1.6	4.8	1	1.5	17.5	1.33	415
	14	compacted	4.4	1	1.5	16.5	1.34	405
	22	7/2.0	6	1.2	1.5	2]	0.84	620
	22	compacted	5.5		1.5	19.5	0.849	595
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	95
	2	7/0.6	1.8	0.8	1.5	11	9.42	130
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	185
	5.5	7/1.0	3	1	1.5	t4.5	3.4	270
	8	7/1.2	3.6	1	1.5	16	2.36	355
	8	compacted	3.4	1	1.5	15.5	2.34	345
	14	7/1.6	4.8	1	1.5	18.5	1.33	560
	14	compacted	4.4	1	1.5	17.5	1.34	550
	22	7/2.0	6	1.2	1.5	22	0.84	845
	22	compacted	5.5	1.2	1.5	21	0.849	815
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	115
	2	7/0.6	1.8	0.8	1.5	12	9.42	160
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	230
	5.5	7/1.0	3	1	1.5	16	3.4	340
	8	41832	3.6	1	1.5	17	2.36	455
	8	compacted	3.4	1	1.5	16.5	2.34	445
	14	7/1.6	4.8	1	1.5	20	1.33	720
	14	compacted	4.4	1	1.5	19	1.34	705
	22	7/2.0	6	1.2	1.6	24	0.84	1100
	22	compacted	5.5	1.2	1.6	23	0.849	1070

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	135
	2	7/0.6	1.8	0.8	1.5	13	9.42	190
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	280
	5.5	7/1.0	3	1	1.5	17	3.4	415
	8	7/ 1.2	3.6	1	1.5	19	2.36	555
		compacted	3.4	1	1.5	18.5	2.34	545
	14	7/1.6	4.8	1	1.6	23	1.33	895
		compacted	4.4	1	1.5	21	1.34	870
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	160
	2	7/0.6	1.8	0.8	1.5	14	9.42	225
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	330
	5.5	7/1.0	3	1	1.5	18.5	3.4	495
	8	7/1.2	3.6	1	1.5	21	2.36	665
	8	compacted	3.4	1	1.5	20	2.34	650
	14	711.6	4.8	1	1.6	25	1.33	1070
	14	compacted	4.4	1	1.6	23	1.34	1050
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	170
	2	7/0.6	1.8	0.8	1.5	14	9.42	240
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	365
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	545
	8	7/1.2	3.6	1	1.5	21	2.36	735
	8	compacted	3.4	1	1.5	20	2.34	720
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	190
	2	7/0.6	1.8	0.8	1.5	15	9.42	275
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	420
	5.5	7/1.0	3	1	1.5	20	3.4	625
	8	7/ 1.2	3.6	1	1.6	23	2.36	855
	8	compacted	3.4	1	1.5	22	2.34	830

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	245
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	355
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	535
	5.5	7/1.0	3	1	1.6	24	3.4	810
	8	7/ 1.2	3.6	1	1.7	27	2.36	1100
	8	compacted	3.4	1	1.7	26	2.34	1080
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	275
	2	7/0.6	1.8	0.8	1.5	18	9.42	400
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	615
	5.5	7/1.0	3	1	1.7	25	3.4	940
	8	7/ 1.2	3.6	1	1.8	28	2.36	1280
	8	compacted	3.4	1	1.7	27	2.34	1250
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	330
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	485
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	745
	5.5	7/1.0	3	I.0	1.7	27	3.4	1140
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	420
	2	7/0.6	1.8	0.8	1.5	22	9.42	625
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	975
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1510
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	615
	2	7/0.6	1.8	0.8	1.7	26	9.42	930
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1460

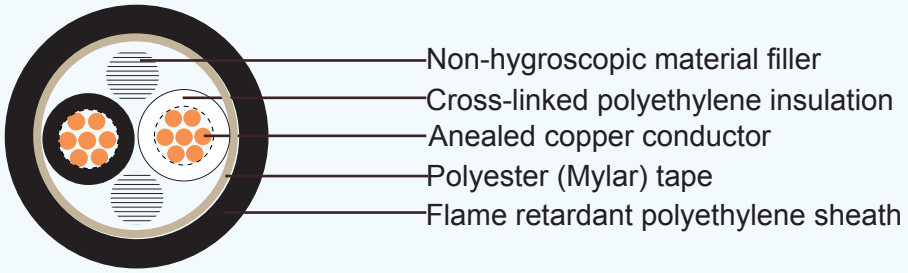
CCE/F(EM-CCE)

Application and Description:

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

Name Code:

C: For control
C: Cross polythylene
E: Polythylene
/F: Flame retardant



Cable Construction:

Conductor: Circular or compacted circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Cross-linked polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
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: Flame retardant polyethylene, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts
Test voltage 2000 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
2	1.25	7/0.45	1.35	0.8	1.5	9.4	16.8	90
	2	7/0.6	1.8	0.8	1.5	10.5	9.42	115
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	160
	5.5	7/1.0	3	1	1.5	13.5	3.4	225
	8	7/1.2	3.6	1	1.5	15	2.36	290
	8	compacted	3.4	1	1.5	14.5	2.34	280
	14	7/1.6	4.8	1	1.5	17.5	1.33	440
	14	compacted	4.4	1	1.5	16.5	1.34	425
	22	7/2.0	6	1.2	1.5	20	0.84	650
	22	compacted	5.5		1.5	19.5	0.849	620
3	1.25	7/0.45	1.35	0.8	1.5	9.9	16.8	105
	2	7/0.6	1.8	0.8	1.5	11	9.42	140
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	200
	5.5	7/1.0	3	1	1.5	t4.5	3.4	290
	8	7/1.2	3.6	1	1.5	16	2.36	380
	8	compacted	3.4	1	1.5	15.5	2.34	370
	14	7/1.6	4.8	1	1.5	18.5	1.33	585
	14	compacted	4.4	1	1.5	17.5	1.34	570
	22	7/2.0	6	1.2	1.5	22	0.84	875
	22	compacted	5.5	1.2	1.5	21	0.849	845
4	1.25	7/0.45	1.35	0.8	1.5	11	16.8	125
	2	7/0.6	1.8	0.8	1.5	12	9.42	175
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	250
	5.5	7/1.0	3	1	1.5	16	3.4	360
	8	41832	3.6	1	1.5	17	2.36	475
	8	compacted	3.4	1	1.5	16.5	2.34	465
	14	7/1.6	4.8	1	1.5	20	1.33	750
	14	compacted	4.4	1	1.5	19	1.34	730
	22	7/2.0	6	1.2	1.6	24	0.84	1140
	22	compacted	5.5	1.2	1.6	23	0.849	1110

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
5	1.25	7/0.45	1.35	0.8	1.5	11.5	16.8	150
	2	7/0.6	1.8	0.8	1.5	13	9.42	205
	3.5	7/0.8	2.4	0.8	1.5	14.5	5.3	300
	5.5	7/1.0	3	1	1.5	17	3.4	440
	8	7/ 1.2	3.6	1	1.5	19	2.36	580
		compacted	3.4	1	1.5	18.5	2.34	570
	14	7/1.6	4.8	1	1.6	23	1.33	930
		compacted	4.4	1	1.5	21	1.34	900
6	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	175
	2	7/0.6	1.8	0.8	1.5	14	9.42	240
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	355
	5.5	7/1.0	3	1	1.5	18.5	3.4	520
	8	7/1.2	3.6	1	1.5	21	2.36	690
	8	compacted	3.4	1	1.5	20	2.34	675
	14	711.6	4.8	1	1.6	25	1.33	1110
	14	compacted	4.4	1	1.6	23	1.34	1080
7	1.25	7/0.45	1.35	0.8	1.5	12.5	16.8	185
	2	7/0.6	1.8	0.8	1.5	14	9.42	260
	3.5	7/0.8	2.4	0.8	1.5	15.5	5.3	385
	5.5	7/ 1.0	3	1	1.5	18.5	3.4	570
	8	7/1.2	3.6	1	1.5	21	2.36	765
	8	compacted	3.4	1	1.5	20	2.34	750
8	1.25	7/0.45	1.35	0.8	1.5	13.5	16.8	210
	2	7/0.6	1.8	0.8	1.5	15	9.42	295
	3.5	7/0.8	2.4	0.8	1.5	17	5.3	440
	5.5	7/1.0	3	1	1.5	20	3.4	655
	8	7/ 1.2	3.6	1	1.6	23	2.36	885
	8	compacted	3.4	1	1.5	22	2.34	855

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	kg / km
10	1.25	7/0.45	1.35	0.8	1.5	15.5	16.8	265
	2	7/0.6	1.8	0.8	1.5	17.5	9.42	375
	3.5	7/0.8	2.4	0.8	1.5	19.5	5.3	560
	5.5	7/1.0	3	1	1.6	24	3.4	845
	8	7/ 1.2	3.6	1	1.7	27	2.36	1150
	8	compacted	3.4	1	1.7	26	2.34	1120
12	1.25	7/0.45	1.35	0.8	1.5	16	16.8	300
	2	7/0.6	1.8	0.8	1.5	18	9.42	425
	3.5	7/0.8	2.4	0.8	1.5	21	5.3	640
	5.5	7/1.0	3	1	1.7	25	3.4	980
	8	7/ 1.2	3.6	1	1.8	28	2.36	1330
	8	compacted	3.4	1	1.7	27	2.34	1290
15	1.25	7/ 0.45	1.35	0.8	1.5	17	16.8	355
	2	7/0.6	1.8	0.8	1.5	19..0	9.42	510
	3.5	7/0.8	2.4	0.8	1.5	22	5.3	775
	5.5	7/1.0	3	I.0	1.7	27	3.4	I190
20	1.25	7/0.45	1.35	0.8	1.5	19	16.8	445
	2	7/0.6	1.8	0.8	1.5	22	9.42	655
	3.5	7/0.8	2.4	0.8	1.6	25	5.3	1010
	5.5	7/ 1.0	3	1	1.9	3J	3.4	1560
30	1.25	7/0.45	1.35	0.8	1.6	23	.16.8	650
	2	7/0.6	1.8	0.8	1.7	26	9.42	970
	3.5	7/0.8	2.4	0.8	1.8	30	5.3	1510

JIS C 3605 Cables

EV/CV

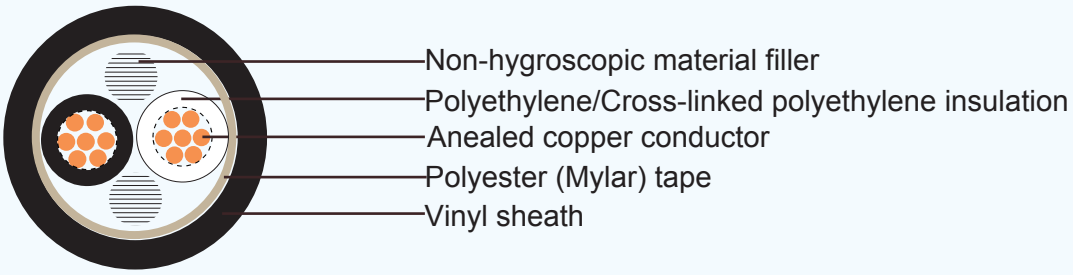
Application and Description:

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Name Code:

E: Polyethylene
C: Cross-linked polyethylene
V: Vinyl

Cable Construction:



Conductor: Circular, circuar or segmental compacted stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene/Cross-linked polyethylene
Color : 2 cores- Black and white
3 cores- Black, white and red
4 cores- Black, white, red and green
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Vinyl, Black color

Technical Characteristics:

Maximum conductor temperature 90°C

Circuit voltage not exceeding 600 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Voltage	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	V	kg / km
1	2	7/0.6	1.8	0.8	1.5	6.4	9.24	1500	60
	3.5	7/0.8	2.4	0.8	1.5	7	5.2	1500	80
	5.5	7/1.0	3	1	1.5	8	3.33	1500	115
	8	7/1.2	3.6	1	1.5	8.6	2.31	1500	135
	8	compacted	3.4	1	1.5	8.4	2.29	1500	135
	14	7/1.6	4.8	1	1.5	9.8	1.31	2000	205
	14	compactcd	4.4	1	1.5	9.4	1.3	2000	200
	22	7/2.0	6	1.2	1.5	11.5	0.824	2000	300
	22	compacted	5.5	1.2	1.5	11	0.832	2000	290
	38	7/2.6	7.8	1.2	1.5	13.5	0.487	2500	460
	38	compacted	7.3	1.2	1.5	13	0.481	2500	455
	60	19/2.0	10	1.5	1.5	16	0.303	2500	700
	60	compacted	9.3	1.5	1.5	15.5	0.305	2500	685
	100	19/2.6	13	2	1.5	20	0.18	2500	1150
	100	compacted	12	2	1.5	19	0.183	2500	1120
	150	37/2.3	16.1	2	1.5	24.5	0.118	3000	1680
	150	compacted	14.7	2	1.5	22.5	0.122	3000	1600
	200	37/2.6	18.2	2.5	1.7	27.5	0.0922	3000	2150
	200	compacted	17	2.5	1.7	26.5	0.0915	3000	2150
	250	61/2.3	20.7	2.5	1.8	30	0.0722	3000	2740
	250	compacted	19	2.5	1.8	28.5	0.0739	3000	2670
	325	61/2.6	23.4	2.5	1.9	33.5	0.0565	3000	3450
	325	compacted	21.7	2.5	1.9	31.5	0.0568	3000	3410
	400	61/2.9	26.1	2.5	2	34.5	0.0373	3000	4230
	400	compacted	24.1	2.5	2	34.5	0.0369	3000	4160
	500	61/3.2	28.8	3	2.1	40	0.0304	3500	5190

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Voltage	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	V	kg / km
1	500	compacted	26.9	3	2.1	43	0.0308	3500	5090
	600	91/2.9	31.9	3	2.3	41	0.0369	3500	6280
	600	compacted	29.5	3	2.2	38.5	0.0369	3500	6170
	800	127/2.8	36.4	3.5	2.5	49	0.0234	3500	8160
	800	compacted	34	3.5	2.5	47.5	0.0231	3500	8220
	800	segmental	34	3.5	2.5	47.5	0.0231	3500	8220
	1000	127/3.2	41.6	3.5	2.6	54	0.0179	3500	10600
	1000	compacted	38	3.5	2.6	51.5	0.0185	3500	10200
	1000	segmental	38	3.5	2.6	51.5	0.0187	3500	10300
2	2	7/0.6	1.8	0.8	1.5	10.5	9.42	1500	120
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	1500	165
	5.5	7/1.0	3	1	1.5	13.5	3.4	1500	235
	8	7/1.2	3.6	1	1.5	15	2.36	1500	300
	8	compacted	3.4	1	1.5	14.5	2.34	1500	290
	14	7/1.6	4.8	1	1.5	17.5	1.33	2000	450
	14	compactcd	4.4	1	1.5	16.5	1.34	2000	435
	22	7/2.0	6	1.2	1.5	21	0.84	2000	660
	22	compacted	5.5	1.2	1.5	19.5	0.849	2000	635
	38	7/2.6	7.8	1.2	1.5	24	0.497	2500	1030
	38	compacted	7.3	1.2	1.5	24	0.491	2500	1020
	60	19/2.0	10	1.5	1.5	31	0.309	2500	1620
	60	compacted	9.3	1.5	1.5	29	0.311	2500	1570
	100	19/2.6	13	2	1.5	39	0.184	2500	2690
	100	compacted	12	2	1.5	37	0.187	2500	2580
	150	37/2.3	16.1	2	1.5	46	0.124	3000	3920
	150	compacted	14.7	2	1.5	43	0.12	3000	3710
	200	37/2.6	18.2	2.5	1.7	53	0.094	3000	5060
	200	compacted	17	2.5	1.7	50	0.0933	3000	4980
	250	61/2.3	20.7	2.5	1.8	58	0.0736	3000	6420
	250	compacted	19	2.5	1.8	54	0.0754	3000	6140
	325	61/2.6	23.4	2.5	1.9	64	0.0576	3000	8040
	325	compacted	21.7	2.5	1.9	60	0.0579	3000	7820

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Voltage	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	V	kg / km
3	2	7/0.6	1.8	0.8	1.5	11	9.42	1500	150
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	1500	210
	5.5	7/1.0	3	1	1.5	14.5	3.4	1500	300
	8	7/1.2	3.6	1	1.5	16	2.36	1500	385
	8	compacted	3.4	1	1.5	15.5	2.34	1500	380
	14	7/1.6	4.8	1	1.5	18.5	1.33	2000	600
	14	compactcd	4.4	1	1.5	17.5	1.34	2000	585
	22	7/2.0	6	1.2	1.5	22	0.84	2000	890
	22	compacted	5.5	1.2	1.5	21	0.849	2000	860
	38	7/2.6	7.8	1.2	1.5	26	0.497	2500	1410
	38	compacted	7.3	1.2	1.5	25	0.491	2500	1410
	60	19/2.0	10	1.5	1.5	33	0.309	2500	2220
	60	compacted	9.3	1.5	1.5	31	0.311	2500	2170
	100	19/2.6	13	2	1.5	42	0.184	2500	3710
	100	compacted	12	2	1.5	40	0.187	2500	3580
	150	37/2.3	16.1	2	1.5	49	0.124	3000	5440
	150	compacted	14.7	2	1.5	46	0.12	3000	5180
	200	37/2.6	18.2	2.5	1.7	57	0.094	3000	7071
	200	compacted	17	2.5	1.7	54	0.0933	3000	6940
	250	61/2.3	20.7	2.5	1.8	62	0.0736	3000	8940
	250	compacted	19	2.5	1.8	58	0.0754	3000	8600
	325	61/2.6	23.4	2.5	1.9	94	0.0576	3000	11300
	325	compacted	21.7	2.5	1.9	65	0.0579	3000	11000
4	2.5	7/0.6	1.8	0.8	1.5	12	9.42	1500	180
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	1500	260
	5.5	7/1.0	3	1	1.5	16	3.4	1500	370
	8	7/1.2	3.6	1	1.5	17	2.36	1500	485
	8	compacted	3.4	1	1.5	16.5	2.34	1500	480
	14	7/1.6	4.8	1	1.5	20	1.33	2000	765
	14	compactcd	4.4	1	1.5	19	1.34	2000	745
	22	7/2.0	6	1.2	1.5	24	0.84	2000	1160
	22	compacted	5.5	1.2	1.5	23	0.849	2000	1120
	38	7/2.6	7.8	1.2	1.5	29	0.497	2500	I840

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Voltage	Cable weight (approx.)
	mm²		mm	mm	mm	mm	Ohm / km	V	kg / km
4	38	compacted	7.3	1.2	1.5	28	0.491	2500	I830
	60	19/2.0	10	1.5	1.5	37	0.309	2500	2890
	60	compacted	9.3	1.5	1.5	35	0.311	2500	2830
	100	19/2.6	13	2	1.5	47	0.184	2500	4840
	100	compacted	12	2	1.5	44	0.187	2500	4680
	150	37/2.3	16.1	2	1.5	55	0.124	3000	7120
	150	compacted	14.7	2	1.5	SI	0.12	3000	6790
	200	37/2.6	18.2	2.5	1.7	63	0.094	3000	9170
	200	compacted	17	2.5	1.7	60	0.0933	3000	9100
	250	61/2.3	20.7	2.5	1.8	70	0.0736	3000	11700
	250	compacted	19	2.5	1.8	65	0.0754	3000	11300
	325	61/2.6	23.4	2.5	1.9	77	0.0576	3000	14800
	325	compacted	21.7	2.5	1.9	72	0.0579	3000	14500

EE/CE

Application and Description:

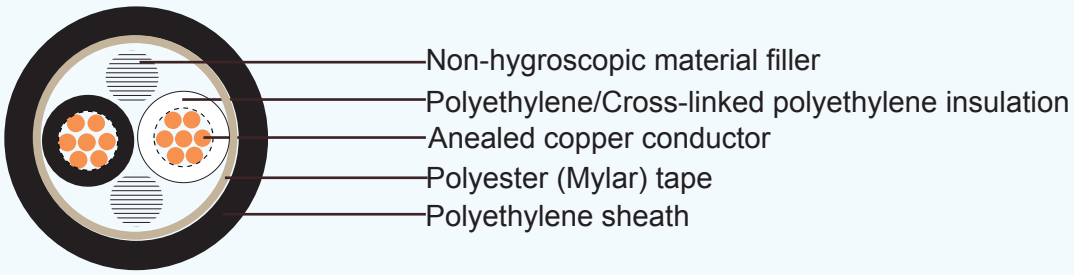
For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Name Code:

E: Polyethylene

C: Cross-linked polyethylene

Cable Construction:



Conductor: Circular, circuar or segmental compacted stranded annealed copper wires

Seperator: A proper separator may be applied to a conductor

Insulation: Polyethylene/Cross-linked polyethylene

Color :

2 cores- Black and white

3 cores- Black, white and red

4 cores- Black, white, red and green

Filler: Non-hygroscopic material(optional)

Binding tape: Polyester (Mylar) tape (optional)

Sheath: Polyethylene (PE), Black color

Technical Characteristics:

Maximum conductor temperature 90°C

Circuit voltage not exceeding 600 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
1	2	7/0.6	1.8	0.8	1.5	6.4	9.24	1500	50
	3.5	7/0.8	2.4	0.8	1.5	7.0	5.2	1500	65
	5.5	7/1.0	3.0	1.0	1.5	8.0	3.33	1500	90
	8	7/1.2	3.6	1.0	1.5	8.6	2.31	1500	120
	8	compacted	3.4	1.0	1.5	8.4	2.29	1500	120
	14	7/1.6	4.8	1.0	1.5	9.8	1.31	2000	185
	14	compactcd	4.4	1.0	1.5	9.4	1.30	2000	180
	22	7/2.0	6.0	1.2	1.5	11.5	0.824	2000	275
	22	compacted	5.5	1.2	1.5	11.0	0.832	2000	265
	38	7/2.6	7.8	1.2	1.5	13.5	0.487	2500	430
	38	compacted	7.3	1.2	1.5	13.0	0.481	2500	430
	60	19/2.0	10.0	1.5	1.5	16.0	0.303	2500	665
	60	compacted	9.3	1.5	1.5	15.5	0.305	2500	655
	100	19/2.6	13.0	2.0	1.5	20.0	0.180	2500	1100
	100	compacted	12.0	2.0	1.5	19.0	0.183	2500	1080
	150	37/2.3	16.1	2.0	1.5	24.5	0.118	3000	1630
	150	compacted	14.7	2.0	1.5	22.5	0.122	3000	1560
	200	37/2.6	18.2	2.5	1.7	27.5	0.0922	3000	2080
	200	compacted	17.0	2.5	1.7	26.5	0.0915	3000	2090
	250	61/2.3	20.7	2.5	1.8	30.0	0.0722	3000	2660
	250	compacted	19.0	2.5	1.8	28.5	0.0739	3000	2600
	325	61/2.6	23.4	2.5	1.9	33.5	0.0565	3000	3360
	325	compacted	21.7	2.5	1.9	31.5	0.0568	3000	3330
	400	61/2.9	26.1	2.5	2.0	34.5	0.0373	3000	4l30
	400	compacted	24.1	2.5	2.0	34.5	0.0369	3000	4060
	500	61/3.2	28.8	3.0	2.1	40.0	0.0304	3500	5060
	500	compacted	26.9	3.0	2.1	43.0	0.0308	3500	5080
	600	91/2.9	31.9	3.0	2.3	41.0	0.0369	3500	6140
	600	compacted	29.5	3.0	2.2	38.5	0.0369	3500	6050
	800	127/2.8	36.4	3.5	2.5	49	0.0234	3500	7980
	800	compacted	34.0	3.5	2.5	47.5	0.0231	3500	8060

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
1	800	segmental compacted	34.0	3.5	2.5	47.5	0.0231	3500	8060
	1000	127/3.2	41.6	3.5	2.6	54.0	0.0179	3500	10300
	1000	compacted	38.0	3.5	2.6	51.5	0.0185	3500	9980
	1000	segmental compacted	38.0	3.5	2.6	51.5	0.0187	3500	10100
2	2	7/0.6	1.8	0.8	1.5	10.5	9.42	1500	100
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	1500	145
	5.5	7/1.0	3.0	1.0	1.5	13.5	3.4	1500	210
	8	7/1.2	3.6	1.0	1.5	15.0	2.36	1500	270
	8	compacted	3.4	1.0	1.5	14.5	2.34	1500	260
	14	7/1.6	4.8	1.0	1.5	17.5	1.33	2000	415
	14	compactcd	4.4	1.0	1.5	16.5	1.34	2000	405
	22	7/2.0	6.0	1.2	1.5	21.0	0.840	2000	620
	22	compacted	5.5	1.2	1.5	19.5	0.849	2000	595
	38	7/2.6	7.8	1.2	1.5	24.0	0.497	2500	975
	38	compacted	7.3	1.2	1.5	24.0	0.491	2500	965
	60	19/2.0	10.0	1.5	1.5	31.0	0.309	2500	1540
	60	compacted	9.3	1.5	1.5	29.0	0.311	2500	1560
	100	19/2.6	13.0	2.0	1.5	39.0	0.184	2500	2570
	100	compacted	12.0	2.0	1.5	37.0	0.187	2500	2540
	150	37/2.3	16.1	2.0	1.5	46.0	0.124	3000	3770
	150	compacted	14.7	2.0	1.5	43.0	0.120	3000	3570
	200	37/2.6	18.2	2.5	1.7	53.0	0.0940	3000	4860
	200	compacted	17.0	2.5	1.7	50.0	0.0933	3000	4600
	250	61/2.3	20.7	2.5	1.8	58.0	0.0736	3000	6180
	250	compacted	19.0	2.5	1.8	54.0	0.0754	3000	5930
	325	61/2.6	23.4	2.5	1.9	64.0	0.0576	3000	7760
	325	compacted	21.7	2.5	1.9	60.0	0.0579	3000	7570
3	2	7/0.6	1.8	0.8	1.5	11.0	9.42	1500	130
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	1500	185
	5.5	7/1.0	3.0	1.0	1.5	14.5	3.4	1500	270
	8	7/1.2	3.6	1.0	1.5	16.0	2.36	1500	355
	8	compacted	3.4	1.0	1.5	15.5	2.34	1500	350
	14	7/1.6	4.8	1.0	1.5	18.5	1.33	2000	560

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
3	14	compactcd	4.4	1.0	1.5	17.5	1.34	2000	550
	22	7/2.0	6.0	1.2	1.5	22.0	0.840	2000	845
	22	compacted	5.5	1.2	1.5	21.0	0.849	2000	820
	38	7/2.6	7.8	1.2	1.5	26.0	0.497	2500	I350
	38	compacted	7.3	1.2	1.5	25.0	0.491	2500	1350
	60	19/2.0	10.0	1.5	1.5	33.0	0.309	2500	2 130
	60	compacted	9.3	1.5	1.5	31.0	0.311	2500	2 090
	100	19/2.6	13.0	2.0	1.5	42.0	0.184	2500	3 580
	100	compacted	12.0	2.0	1.5	40.0	0.187	2500	3460
	150	37/2.3	16.1	2.0	1.5	49.0	0.124	3000	5270
	150	compacted	14.7	2.0	1.5	46.0	0.120	3000	5030
	200	37/2.6	18.2	2.5	1.7	57.0	0.0940	3000	6790
	200	compacted	17.0	2.5	1.7	54.0	0.0933	3000	6740
	250	61/2.3	20.7	2.5	1.8	62.0	0.0736	3000	8670
	250	compacted	19.0	2.5	1.8	58.0	0.0754	3000	8360
	325	61/2.6	23.4	2.5	1.9	94.0	0.0576	3000	11000
	325	compacted	21.7	2.5	1.9	65.0	0.0579	3000	10700
4	2.5	7/0.6	1.8	0.8	1.5	12.0	9.42	1500	160
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	1500	230
	5.5	7/1.0	3.0	1.0	1.5	16.0	3.4	1500	340
	8	7/1.2	3.6	1.0	1.5	17.0	2.36	1500	450
	8	compacted	3.4	1.0	1.5	16.5	2.34	1500	480
	14	7/1.6	4.8	1.0	1.5	20.0	1.33	2000	765
	14	compactcd	4.4	1.0	1.5	19.0	1.34	2000	705
	22	7/2.0	6.0	1.2	1.5	24	0.840	2000	1100
	22	compacted	5.5	1.2	1.5	23	0.849	2000	1070
	38	7/2.6	7.8	1.2	1.5	29	0.497	2500	1760
	38	compacted	7.3	1.2	1.5	28	0.491	2500	1760
	60	19/2.0	10.0	1.5	1.5	37	0.309	2500	2790
	60	compacted	9.3	1.5	1.5	35	0.311	2500	2730
	100	19/2.6	13.0	2.0	1.5	47	0.184	2500	4680
	100	compacted	12.0	2.0	1.5	44	0.187	2500	4530
	150	37/2.3	16.1	2.0	1.5	55	0.124	3000	6900

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
4	150	compacted	14.7	2.0	1.5	SI	0.120	3000	6 600
	200	37/2.6	18.2	2.5	1.7	63	0.0940	3000	8900
	200	compacted	17.0	2.5	1.7	60	0.0933	3000	8850
	250	61/2.3	20.7	2.5	1.8	70	0.0736	3000	11400
	250	compacted	19.0	2.5	1.8	65	0.0754	3000	11000
	325	61/2.6	23.4	2.5	1.9	77	0.0576	3000	14400
	325	compacted	21.7	2.5	1.9	72	0.0579	3000	14100

EE/F(EM-EE) CE/F(EM-CE)

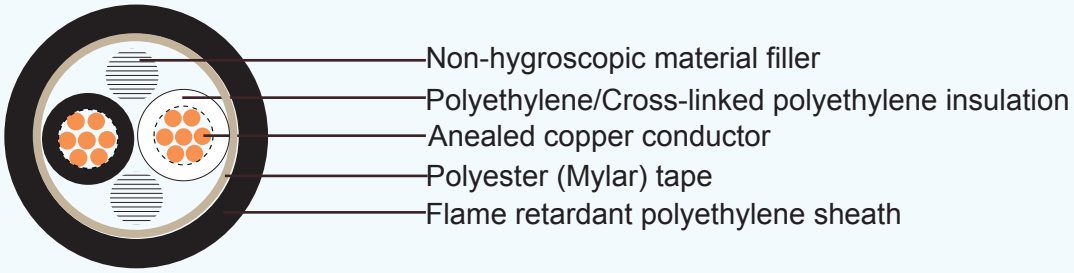
Application and Description:

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Name Code:

E: Polyethylene
C: Cross-linked polyethylene
/F: Flame retardant polyethylene

Cable Construction:



Conductor: Circular, circuar or segmental compacted stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene/Cross-linked polyethylene
Color : 2 cores- Black and white
3 cores- Black, white and red
4 cores- Black, white, red and green
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Flame retardant polyethylene, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
1	2	7/0.6	1.8	0.8	1.5	6.4	9.24	1500	55
	3.5	7/0.8	2.4	0.8	1.5	7.0	5.2	1500	75
	5.5	7/1.0	3.0	1.0	1.5	8.0	3.33	1500	105
	8	7/1.2	3.6	1.0	1.5	8.6	2.31	1500	130
	8	compacted	3.4	1.0	1.5	8.4	2.29	1500	130
	14	7/1.6	4.8	1.0	1.5	9.8	1.31	2000	200
	14	compactcd	4.4	1.0	1.5	9.4	1.30	2000	195
	22	7/2.0	6.0	1.2	1.5	11.5	0.824	2000	290
	22	compacted	5.5	1.2	1.5	11.0	0.832	2000	280
	38	7/2.6	7.8	1.2	1.5	13.5	0.487	2500	450
	38	compacted	7.3	1.2	1.5	13.0	0.481	2500	445
	60	19/2.0	10.0	1.5	1.5	16.0	0.303	2500	690
	60	compacted	9.3	1.5	1.5	15.5	0.305	2500	675
	100	19/2.6	13.0	2.0	1.5	20.0	0.180	2500	1130
	100	compacted	12.0	2.0	1.5	19.0	0.183	2500	1100
	150	37/2.3	16.1	2.0	1.5	24.5	0.118	3000	1660
	150	compacted	14.7	2.0	1.5	22.5	0.122	3000	1590
	200	37/2.6	18.2	2.5	1.7	27.5	0.0922	3000	2120
	200	compacted	17.0	2.5	1.7	26.5	0.0915	3000	2130
	250	61/2.3	20.7	2.5	1.8	30.0	0.0722	3000	2710
	250	compacted	19.0	2.5	1.8	28.5	0.0739	3000	2640
	325	61/2.6	23.4	2.5	1.9	33.5	0.0565	3000	3420
	325	compacted	21.7	2.5	1.9	31.5	0.0568	3000	3380
	400	61/2.9	26.1	2.5	2.0	34.5	0.0373	3000	4200
	400	compacted	24.1	2.5	2.0	34.5	0.0369	3000	4130
	500	61/3.2	28.8	3.0	2.1	40.0	0.0304	3500	5150
	500	compacted	26.9	3.0	2.1	43.0	0.0308	3500	5160
	600	91/2.9	31.9	3.0	2.3	41.0	0.0369	3500	6230
	600	compacted	29.5	3.0	2.2	38.5	0.0369	3500	6130
	800	127/2.8	36.4	3.5	2.5	49	0.0234	3500	8100
	800	compacted	34.0	3.5	2.5	47.5	0.0231	3500	8150

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
1	800	segmental compacted	34.0	3.5	2.5	47.5	0.0231	3500	8150
	1000	127/3.2	41.6	3.5	2.6	54.0	0.0179	3500	10500
	1000	compacted	38.0	3.5	2.6	51.5	0.0185	3500	10200
	1000	segmental compacted	38.0	3.5	2.6	51.5	0.0187	3500	10100
2	2	7/0.6	1.8	0.8	1.5	10.5	9.42	1500	115
	3.5	7/0.8	2.4	0.8	1.5	11.5	5.3	1500	160
	5.5	7/1.0	3.0	1.0	1.5	13.5	3.4	1500	225
	8	7/1.2	3.6	1.0	1.5	15.0	2.36	1500	290
	8	compacted	3.4	1.0	1.5	14.5	2.34	1500	280
	14	7/1.6	4.8	1.0	1.5	17.5	1.33	2000	440
	14	compactcd	4.4	1.0	1.5	16.5	1.34	2000	425
	22	7/2.0	6.0	1.2	1.5	21.0	0.840	2000	650
	22	compacted	5.5	1.2	1.5	19.5	0.849	2000	620
	38	7/2.6	7.8	1.2	1.5	24.0	0.497	2500	1010
	38	compacted	7.3	1.2	1.5	24.0	0.491	2500	990
	60	19/2.0	10.0	1.5	1.5	31.0	0.309	2500	1590
	60	compacted	9.3	1.5	1.5	29.0	0.311	2500	1540
	100	19/2.6	13.0	2.0	1.5	39.0	0.184	2500	2650
	100	compacted	12.0	2.0	1.5	37.0	0.187	2500	2540
	150	37/2.3	16.1	2.0	1.5	46.0	0.124	3000	3860
	150	compacted	14.7	2.0	1.5	43.0	0.120	3000	3660
	200	37/2.6	18.2	2.5	1.7	53.0	0.0940	3000	4980
	200	compacted	17.0	2.5	1.7	50.0	0.0933	3000	4910
	250	61/2.3	20.7	2.5	1.8	58.0	0.0736	3000	6320
	250	compacted	19.0	2.5	1.8	54.0	0.0754	3000	6040
	325	61/2.6	23.4	2.5	1.9	64.0	0.0576	3000	7930
	325	compacted	21.7	2.5	1.9	60.0	0.0579	3000	7730
3	2	7/0.6	1.8	0.8	1.5	11.0	9.42	1500	140
	3.5	7/0.8	2.4	0.8	1.5	12.5	5.3	1500	200
	5.5	7/1.0	3.0	1.0	1.5	14.5	3.4	1500	290
	8	7/1.2	3.6	1.0	1.5	16.0	2.36	1500	380
	8	compacted	3.4	1.0	1.5	15.5	2.34	1500	370
	14	7/1.6	4.8	1.0	1.5	18.5	1.33	2000	585

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
3	14	compactcd	4.4	1.0	1.5	17.5	1.34	2000	570
	22	7/2.0	6.0	1.2	1.5	22.0	0.840	2000	875
	22	compacted	5.5	1.2	1.5	21.0	0.849	2000	845
	38	7/2.6	7.8	1.2	1.5	26.0	0.497	2500	I 390
	38	compacted	7.3	1.2	1.5	25.0	0.491	2500	I380
	60	19/2.0	10.0	1.5	1.5	33.0	0.309	2500	2180
	60	compacted	9.3	1.5	1.5	31.0	0.311	2500	2140
	100	19/2.6	13.0	2.0	1.5	42.0	0.184	2500	3670
	100	compacted	12.0	2.0	1.5	40.0	0.187	2500	3540
	150	37/2.3	16.1	2.0	1.5	49.0	0.124	3000	5390
	150	compacted	14.7	2.0	1.5	46.0	0.120	3000	5120
	200	37/2.6	18.2	2.5	1.7	57.0	0.0940	3000	6920
	200	compacted	17.0	2.5	1.7	54.0	0.0933	3000	6860
	250	61/2.3	20.7	2.5	1.8	62.0	0.0736	3000	8810
	250	compacted	19.0	2.5	1.8	58.0	0.0754	3000	8500
	325	61/2.6	23.4	2.5	1.9	94.0	0.0576	3000	11200
	325	compacted	21.7	2.5	1.9	65.0	0.0579	3000	10900
4	2.5	7/0.6	1.8	0.8	1.5	12.0	9.42	1500	170
	3.5	7/0.8	2.4	0.8	1.5	13.5	5.3	1500	250
	5.5	7/1.0	3.0	1.0	1.5	16.0	3.4	1500	360
	8	7/1.2	3.6	1.0	1.5	17.0	2.36	1500	475
	8	compacted	3.4	1.0	1.5	16.5	2.34	1500	465
	14	7/1.6	4.8	1.0	1.5	20.0	1.33	2000	750
	14	compactcd	4.4	1.0	1.5	19.0	1.34	2000	730
	22	7/2.0	6.0	1.2	1.5	24	0.840	2000	1140
	22	compacted	5.5	1.2	1.5	23	0.849	2000	1100
	38	7/2.6	7.8	1.2	1.5	29	0.497	2500	1810
	38	compacted	7.3	1.2	1.5	28	0.491	2500	1800
	60	19/2.0	10.0	1.5	1.5	37	0.309	2500	2860
	60	compacted	9.3	1.5	1.5	35	0.311	2500	2790
	100	19/2.6	13.0	2.0	1.5	47	0.184	2500	4790
	100	compacted	12.0	2.0	1.5	44	0.187	2500	4630
	150	37/2.3	16.1	2.0	1.5	55	0.124	3000	7050

Caledonian Cables Manufacture

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
4	150	compacted	14.7	2.0	1.5	SI	0.120	3000	6710
	200	37/2.6	18.2	2.5	1.7	63	0.0940	3000	9070
	200	compacted	17.0	2.5	1.7	60	0.0933	3000	8990
	250	61/2.3	20.7	2.5	1.8	70	0.0736	3000	11600
	250	compacted	19.0	2.5	1.8	65	0.0754	3000	11200
	325	61/2.6	23.4	2.5	1.9	77	0.0576	3000	14600
	325	compacted	21.7	2.5	1.9	72	0.0579	3000	14300

EEF/F(EM-EEF) CEF/F(EM-CEF)

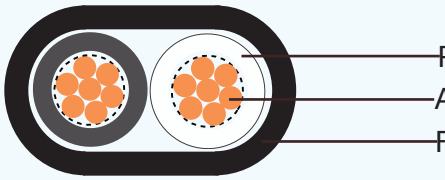
Application and Description:

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Name Code:

E: Polyethylene
C: Cross-linked polyethylene
F : Flat type
/F: Flame retardant polyethylene

Cable Construction:



Conductor: Solid or circuar stranded annealed copper wires
Seperator: A proper separator may be applied to a conductor
Insulation: Polyethylene/Cross-linked polyethylene
Color :
2 cores- Black and white
3 cores- Black, white and red
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Flame retardant polyethylene, Black color

Technical Characteristics:

Maximum conductor temperature 90°C
Circuit voltage not exceeding 600 volts

Cable Parameter

No. of cores	Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Test Voltage	Maximum DC. resistance of Cdr. at 20°C	Cable weight (approx.)
	mm²		mm	mm	mm	mm	V	Ohm / km	kg / km
2	1.6	Solid	1.6	0.8	1.5	6.2x9.4	8.92	1500	95
	2	Solid	2	0.8	1.5	6.6x10.5	5.65	1500	120
	2.6	Solid	2.6	1	1.5	7.6 x12.5	3.35	1500	180
	3.2	Solid	3.2	1	1.5	8.2x13.5	2.21	1500	240
	2	7/0.6	l.8	0.8	1.5	6.4 x9.8	9.24	1500	100
	3.5	7/0.8	2.4	0.8	1.5	7.0x1 1.0	5.2	1500	140
	5.5	7/ 1.0	3	1	1.5	8.0xl3.0	3.33	1500	195
	8	7/1.2	3.6	1	1.5	8.6 x14.5	2.31	1500	250
3	1.6	Solid	1.6	0.8	1.5	6.2 x13.0	8.92	1500	135
	2	Solid	2	0.8	1.5	6.6x14.0	5.65	1500	175
	2.6	Solid	2.6	1	1.5	7.6x17.0	3.35	1500	265
	3.2	Solid	3.2	1	1.5	8.2 x19	2.21	1500	355
	2	7/0.6	l.8	0.8	1.5	6.4 x13.5	9.24	1500	140
	3.5	7/0.8	2.4	0.8	1.5	7.0x15.0	5.2	1500	200
	5.5	7/ 1.0	3	1	1.5	8.0x18.0	3.33	1500	285
	8	7/1.2	3.6	1	1.5	8.6x20	2.31	1500	370

JIS C 3342 Cables

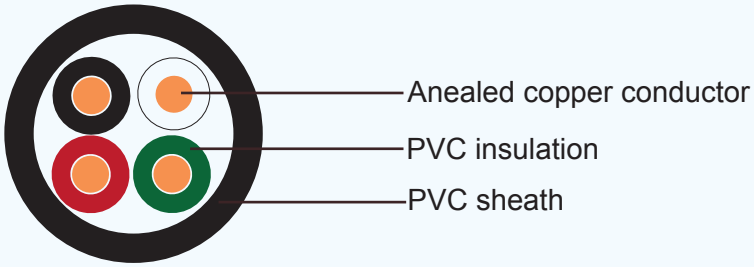
VV/VVR

Application and Description:

For exposed fix installation in dry location, surface wiring, concealed wiring in wooden partition or above ceiling, embedded in plaster.

Name Code:

V: Polyvinyl chloride (PVC)
V: Polyvinyl chloride (PVC)
R : Round type

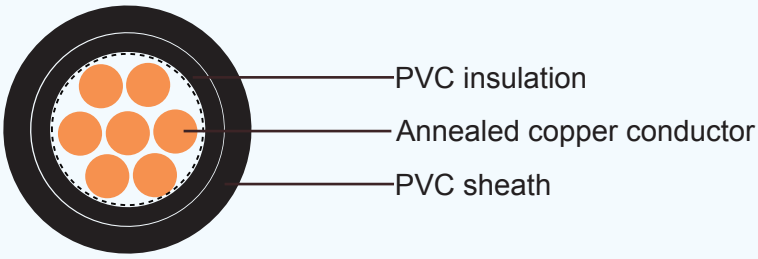


Cable Construction:

Conductor: Solid, circular stranded, circuar or segmental compacted stranded annealed copper wires
Insulation: Polyvinyl chloride (PVC)
Color :
1 core- Black
2 cores- Black and white
3 cores- Black, white and red
4 cores- Black, white, red and green
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Polyvinyl chloride (PVC), Black colorr, other colors are upon request.

Technical Characteristics:

Maximum conductor temperature 70°C
Circuit voltage not exceeding 600 volts



Cable Parameter

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
1 core									
1	solid	1.0	0.8	1.5	5.6	22.8	1500	50	41
1.2	solid	1.2	0.8	1.5	5.8	15.8	1500	50	46
1.6	solid	1.6	0.8	1.5	6.2	8.92	1500	50	60
2.0	solid	2.0	0.8	1.5	6.6	5.65	1500	50	75
2.6	solid	2.6	1	1.5	7.6	3.35	1500	50	105
3.2	solid	3.2	1.2	1.5	8.6	2.21	1500	50	145
2	7/0.6	1.8	0.8	1.5	6.4	9.24	1500	50	65
3.5	7/O.8	2.4	0.8	1.5	7.0	5.20	1500	50	85
5.5	7/1.0	3.0	0.8	1.5	8.0	3.33	1500	50	115
8	7/1.2	3.6	1.2	1.5	9.0	2.31	1500	50	155
8	compacted	3.4	1.2	1.5	8.8	2.29	1500	50	150
14	7/1.6	4.8	1.4	1.5	11.0	1.3	2000	40	235
14	compacted	4.4	1.4	1.5	10.5	1.31	2000	40	225
22	7/2.0	6.0	1.6	1.5	12.5	0.824	2000	40	335
22	compacted	5.5	1.6	1.5	12.0	0.832	2000	40	320
38	7/2.6	7.8	1.8	1.5	14.5	0.847	2500	40	515
38	19/1.6	8.0	1.8	1.5	15.0	0.479	2500	40	520
38	compacted	7.3	1.8	1.5	14.0	0.481	2500	40	510
60	19/2.0	10.0	1.8	1.5	17.0	0.303	2500	30	750
60	compacted	9.3	1.8	1.5	16.0	0.305	2500	30	735
100	19/2.6	13.0	2.0	1.5	20	0.180	2500	30	1200
100	compacted	12	2.0	1.5	19.0	0.183	2500	30	1 160
150	37/2.3	16.1	2.2	1.6	24	0.118	3000	20	1760
150	compacted	14.7	2.2	1.6	23	0.122	3000	30	1690
200	37/2.6	18.2	2.4	1.7	21	0.0922	3000	20	2220
200	compacted	17	2.4	1.7	26	0□091 5	3000	20	2220
250	61/2.3	20.7	2.4	1.8	30	0.0722	3000	20	2830
250	compacted	19.0	2.4	1.8	28	0.0739	3000	20	2740
325	61/2.6	23.4	2.6	1.9	33	0.0565	3000	20	3580
325	compacted	22	2.6	1.9	31	0.0568	3000	20	3520

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
400	61/2.9	26.1	2.6	2.1	36	0.0454	3000	20	4390
400	compacted	24.1	2.6	2	34	0.0462	3000	20	4280
500	61/3.2	28.8	2.8	2.2	39	0.0373	3500	20	5320
500	compacted	26.9	2.8	2.1	37	0.0369	3500	20	5310
600	91/2.9	31.9	3.0	2.3	43	0.0304	3500	20	6 470
600	compacted	29.5	3.0	2.2	40	0.0308	3500	20	6340
800	127/2.8	36.4	3.2	2.5	48	0.0234	3500	20	8340
800	compacted	34.0	3.2	2.4	46	0.0231	3500	20	8360
800	segmental	34	3.2	2.4	46	0.0231	3500	20	8350
1000	127/3.2	41.6	3.2	2.7	54	0.0179	3500	20	10800
1000	compacted	38.0	3.2	2.6	50	0.0185	3500	20	10500
1000	segmental	38.0	3.2	2.6	51	0 0181	3500	20	10400
2 cores									
1	solid	1.0	0.8	1.5	8.7	23.3	1500	50	85
1.2	solid	1.2	0.8	1.5	9.1	16.1	1500	50	95
1.6	solid	1.6	0.8	1.5	9.9	9.10	1500	50	120
2.0	solid	2.0	0.8	1.5	11	5.76	1500	50	155
2.6	solid	2.6	1	1.5	13.0	3.42	1500	50	225
3.2	solid	3.2	1.2	1.5	15.0	2.25	1500	50	315
2	7/0.6	1.8	0.8	1.5	10.5	9.42	1500	50	130
3.5	7/O.8	2.4	0.8	1.5	11.5	5.30	1500	50	175
5.5	7/1.0	3.0	1	1.5	13.5	3.40	1500	50	245
8	7/1.2	3.6	1.2	1.5	15.5	2.36	1500	50	335
8	compacted	3.4	1.3	1.5	15.5	2.34	2000	50	325
14	7/1.6	4.8	1.4	1.5	19.0	1.33	2000	40	520
14	compacted	4.4	1.5	1.5	18.0	1.34	2000	40	500
22	7/2.0	6.0	1.6	1.6	23	0.840	2000	40	760
22	compacted	5.5	1.7	1.5	21	0.849	2000	40	715
38	7/2.6	7.8	1.8	1.7	27	0.497	2500	40	1 190
38	19/1.6	8.0	1.8	1.8	28	0.489	2500	40	1200
38	compacted	7.3	1.8	1.9	26	0.491	2500	40	1 160
60	19/2.0	10.0	1.8	1.9	32	0.309	2500	30	1740
60	compacted	9.3	1.8	1.9	31	0.311	2500	30	1680

Caledonian Cables Manufacture

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
100	19/2.6	13.0	2.0	2.2	39	0.184	2500	30	2800
100	compacted	12.0	2.0	2.1	37	0.187	2500	30	2670
150	37/2.3	16.1	2.2	2.5	47	0.129	3000	20	4 120
150	compacted	14.7	2.2	2.3	44	0.124	3000	30	3870
200	37/2.6	18.2	2.4	2.7	52	0.0940	3000	20	5 1□
200	compacted	17.0	2.4	2.6	50	0.0933	3000	20	5090
250	61/2.3	20.7	2.4	2 9	58	0.0736	3000	20	6570
250	compacted	19□0	2.4	2.7	54	0.0736	3000	20	6250
325	61/2.6	23.4	2.6	3.1	64	0.0576	3000	20	8300
325	compacted	21.7	2.6	3.0	61	0□0579	3000	20	8040
3 cores									
1	solid	1.0	0.8	1.5	9.1	23.3	1500	50	100
1.2	solid	1.2	0.8	1.5	9.5	16.1	1500	50	115
1.6	solid	1.6	0.8	1.5	10.5	9.10	1500	50	150
2.0	solid	2.0	0.8	1.5	11.5	5.76	1500	50	195
2.6	solid	2.6	1	1.5	13.5	3.42	1500	50	290
3.2	solid	3.2	1.2	1.5	16.0	2.25	1500	50	410
2	7/0.6	1.8	0.8	1.5	1l.0	9.42	1500	50	160
3.5	7/O.8	2.4	0.8	1.5	12.5	5.30	1500	50	220
5.5	7/1.0	3.0	1	1.5	14.5	3.40	1500	50	320
8	7/1.2	3.6	1.2	1.5	16.5	2.36	1500	50	440
8	compacted	3.4	1.3	1.5	16.0	2.34	2000	50	425
14	7/1.6	4.8	1.4	1.5	20	1.33	2000	40	690
14	compacted	4.4	1.5	1.5	19.0	1.34	2000	40	665
22	7/2.0	6.0	1.6	1.6	24	0.840	2000	40	1020
22	compacted	5.5	1.7	1.6	23	0.849	2000	40	975
38	7/2.6	7.8	1.8	1.8	29	0.497	2500	40	1620
38	19/1.6	8.0	1.8	1.8	30	0.489	2500	40	1640
38	compacted	7.3	1.8	1.8	28	0.491	2500	40	1590
60	19/2.0	10.0	1.8	2.0	34	0.309	2500	30	2400
60	compacted	9.3	1.8	1.9	33	0.311	2500	30	2320
100	19/2.6	13.0	2.0	2.3	42	0.184	2500	30	3870
100	compacted	12.0	2.0	2.2	40	0.187	2500	30	3720

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
150	37/2.3	16.1	2.2	2.6	50	0.120	3000	20	5720
150	compacted	14.7	2.2	2.5	47	0.124	3000	30	5430
200	37/2.6	18.2	2.4	2.8	56	0.124	3000	20	7220
200	compacted	17.0	2.4	2.7	53	O.0933	3000	20	7130
250	61/2.3	20.7	2.4	3.0	62	0.0736	3000	20	9160
250	compacted	19□0	2.4	2.9	58	0.0754	3000	20	8800
325	61/2.6	23.4	2.6	3.3	69	0.0576	3000	20	11700
325	compacted	21.7	2.6	3.1	65	0.0579	3000	20	11300
4cores									
1	solid	1.0	0.8	1.5	9.8	23.3	1500	50	120
1.2	solid	1.2	0.8	1.5	10.5	16.1	1500	50	140
1.6	solid	1.6	0.8	1.5	11.5	9.10	1500	50	185
2.0	solid	2.0	0.8	1.5	12.5	5.76	1500	50	240
2.6	solid	2.6	1	1.5	15.0	3.42	1500	50	365
3.2	solid	3.2	1.2	1.5	17.0	2.25	1500	50	515
2	7/0.6	1.8	0.8	1.5	12.0	9.42	1500	50	195
3.5	7/O.8	2.4	0.8	1.5	13.5	5:30	1500	50	275
5.5	7/1.0	3.0	1	1.5	16.0	3.40	1500	50	400
8	7/1.2	3.6	1.2	1.5	18.0	2.36	1500	50	555
8	compacted	3.4	1.3	1.5	17.5	2.34	2000	50	535
14	7/1.6	4.8	1.4	1.6	22	1.33	2000	40	890
14	compacted	4.4	1.5	1.5	21	1.34	2000	40	855
22	7/2.0	6.0	1.6	1.7	27	0.840	2000	40	1320
22	compacted	5.5	1.7	1.7	25	0.849	2000	40	1260
38	7/2.6	7.8	1.8	1.9	32	0.497	2500	40	2100
38	19/1.6	8.0	1.8	1.9	33	0.489	2500	40	2120
38	compacted	7.3	1.8	1.9	31	0.491	2500	40	2060
60	19/2.0	10.0	1.8	2.1	38	0.309	2500	30	3120
60	compacted	9.3	1.8	2.1	36	0.311	2500	30	3030
100	19/2.6	13.0	2.0	2.5	47	0.184	2500	30	5060
100	compacted	12.0	2.0	2.4	44	0.187	2500	30	4870
150	37/2.3	16.1	2.2	2.8	56	0.120	3000	20	7480
150	compacted	14.7	2.2	2.7	52	0.124	3000	30	7110

Caledonian Cables Manufacture

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
200	37/2.6	18.2	2.4	3.0	62	0.0940	3000	20	9440
200	compacted	17.0	2.4	2.9	59	0.0933	3000	20	9330
250	61/2.3	20.7	2.4	3.3	69	0.0736	3000	20	12100
250	compacted	19□0	2.4	3.1	65	0.0754	3000	20	11600
325	61/2.6	23.4	2.6	3.6	17	0.0576	3000	20	15300
325	compacted	21.7	2.6	3.4	73	0.0579	3000	20	14900

VVF

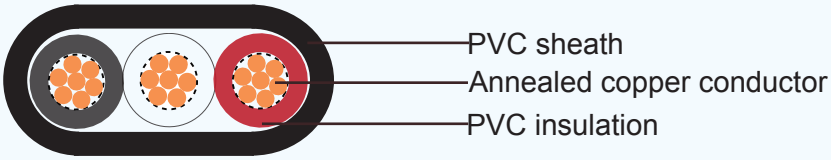
Application and Description:

For exposed fix installation in dry location, surface wiring, concealed wiring in wooden partition or above ceiling, embedded in plaster.

Name Code:

V: Polyvinyl chloride (PVC)
V: Polyvinyl chloride (PVC)
F : Flat type

Cable Construction:



Conductor: Solid, circular stranded, circuar or segmental compacted stranded annealed copper wires
Insulation: Polyvinyl chloride (PVC)
Color :
2 cores- Black and white
3 cores- Black, white and red
Filler: Non-hygroscopic material(optional)
Binding tape: Polyester (Mylar) tape (optional)
Sheath: Polyvinyl chloride (PVC), Black color, other colors are upon request.

Technical Characteristics:

Maximum conductor temperature 70°C
Circuit voltage not exceeding 600 volts

Caledonian Cables Manufacture

Cable Parameter

Diameter /Nominal sectional area	No. of wire	Diameter of Conductor (approx.)	Thickness of insulation	Thickness of sheath	Overall diameter (approx.)	Maximum DC. resistance of Cdr. at 20°C	Test Vltage	Insulation Resistance	Cable weight (approx.)
mm/mm²		mm	mm	mm	mm	Ohm / km	V	kOhm / km	kg / km
2 cores									
1	solid	1.0	0.8	1.5	5.6x8.2	22.8	1500	50	70
1.2	solid	1.2	0.8	1.5	5.5x8.6	15.8	1500	50	80
1.6	solid	1.6	0.8	1.5	6.2x9.4	8.92	1500	50	105
2.0	solid	2.0	0.8	1.5	6.6x10.5	5.65	1500	50	130
2.6	solid	2.6	1	1.5	7.6x12.5	3.35	1500	50	195
3.2	solid	3.2	1.2	1.5	8.6 x14.5	2.21	1500	50	270
2	7/0.6	1.8	0.8	1.5	6.4x9.8	9.24	1500	50	IIO
3.5	7/O.8	2.4	0.8	1.5	7.0x11.0	5.20	1500	50	150
5.5	7/1.0	3.0	1	1.5	8.0 x13.0	3.33	1500	50	210
8	7/1.2	3.6	1.2	1.5	9.0x15.0	2.31	1500	50	290
3 cores									
1	solid	1.0	0.8	1.5	5.6x11.0	22.8	1500	50	95
1.2	solid	1.2	0.8	1.5	5.8x11.5	15.8	1501	50	110
1.6	solid	1.6	0.8	1.5	6.2x13.0	8.92	1502	50	145
2.0	solid	2.0	0.8	1.5	6.6x14.0	5.65	1503	50	190
2.6	solid	2.6	1	1.5	7.6x17.0	3.35	1504	50	285
3.2	solid	3.2	1.2	1.5	8.6 x20	2.21	1505	50	400
2	7/0.6	1.8	0.8	1.5	6.4 x13.5	9.24	1506	50	155
3.5	7/O.8	2.4	0.8	1.5	7.0 x15.0	5.20	1507	50	215
5.5	7/1.0	3.0	1	1.5	8.0 x18.0	3.33	1508	50	310
8	7/1.2	3.6	1.2	1.5	9.0x21	2.31	1509	50	430

Caledonian

Merchant Ind. Centre
Mill-Lane, Laughton, Lewes, Sussex, BN8 6AJ
England
United Kingdom
Tel: 44- 20- 74195087
Fax: 44- 20- 78319489
Email: *sales@caledonian-cables.com*
sales@caledonian-cables.co.uk
uk@addison-tech.com
sales@addison-cables.com