



Caledonian

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Caledonian LV Power & Control Cables



TIS 11-2553 Standard



Caledonian

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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.





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Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70 °C 60227 IEC 01 (THW)

Single-core Non-sheathed Cable With Rigid Conductor

» Applications

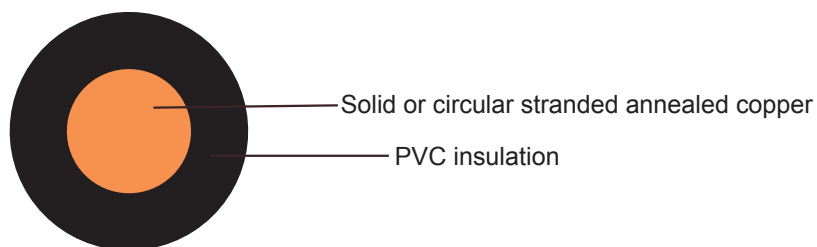
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



» Construction

Conductors:

Solid or circular stranded annealed copper

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	iameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	MΩ.km	A	kg/km
1.5	1	1.36	0.7	2.6	3.2	0.011	21	21
1.5	7	1.53	0.7	2.7	3.3	0.010	21	22
2.5	1	1.75	0.8	3.2	3.9	0.010	29	33
2.5	7	1.98	0.8	3.3	4.0	0.009	29	34
4	1	2.21	0.8	3.6	4.4	0.0085	37	48
4	7	2.49	0.8	3.8	4.6	0.0077	37	50
6	1	2.70	0.8	4.1	5.0	0.0070	48	68
6	7	3.09	0.8	4.3	5.2	0.0065	48	72
10	1	3.50	1.0	5.3	6.4	0.0070	67	110
10	7	3.99	1.0	5.6	6.7	0.0065	67	120
16	7	5.01	1.0	6.4	7.8	0.0050	92	180
25	7	6.30	1.2	8.1	9.7	0.0050	127	280
35	7	7.55	1.2	9.0	10.9	0.0043	157	380
50	19	8.75	1.4	10.6	12.8	0.0043	191	510
70	19	10.50	1.4	12.1	14.6	0.0035	244	720
95	19	12.35	1.6	14.1	17.1	0.0035	297	990
120	37	13.93	1.6	15.6	18.8	0.0032	345	1,220
150	37	15.47	1.8	17.3	20.9	0.0032	397	1,510
185	37	17.29	2.0	19.3	23.3	0.0032	453	1,880
240	37	19.89	2.2	22.0	26.6	0.0032	535	2,470
300	61	22.23	2.4	24.5	29.6	0.0030	617	3,080
400	61	25.20	2.6	27.5	33.2	0.0028	741	3,930



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C 60227 IEC 02

Single-core Non-sheathed Cable With Flexible Conductor

» Applications

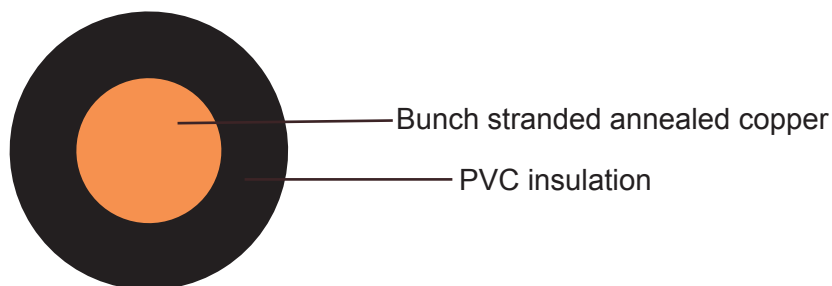
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



» Construction

Conductors:

Bunch stranded annealed copper

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colours

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia.of wires(Max.)	Diameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	km	A	kg/km
1.5	0.26	1.58	0.7	2.8	3.4	0.010	16	22
2.5	0.26	2.04	0.8	3.4	4.1	0.009	25	34
4	0.31	2.59	0.8	3.9	4.8	0.007	30	50
6	0.31	3.60	0.8	4.4	5.3	0.006	39	73
10	0.41	4.79	1.0	5.7	6.8	0.0056	51	120
16	0.41	5.88	1.0	6.7	8.1	0.0046	73	180
25	0.41	7.32	1.2	8.4	10.2	0.0044	97	280
35	0.41	8.61	1.2	9.7	11.7	0.0038	140	380
50	0.41	10.55	1.4	11.5	13.9	0.0037	175	550
70	0.51	12.53	1.4	13.2	16.0	0.0032	216	760
95	0.51	14.45	1.6	15.1	18.2	0.0032	258	1,000
120	0.51	16.66	1.6	16.7	20.2	0.0029	302	1,310
150	0.51	18.55	1.8	18.6	22.5	0.0029	347	1,620
185	0.51	20.23	2.0	20.6	24.9	0.0029	394	1,930
240	0.51	23.22	2.2	23.5	28.4	0.0028	471	2,530



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 05 (IV)

Single-core Non-sheathed Cable With Solid Conductor

» Applications

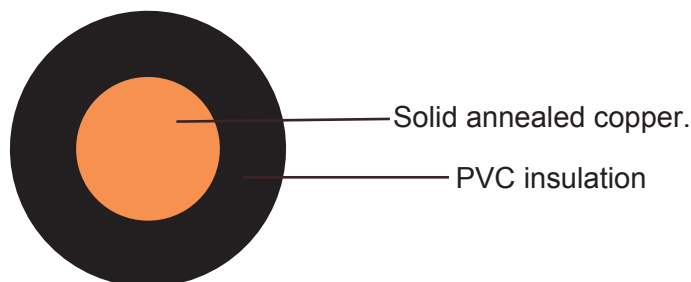
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



Solid annealed copper.

PVC insulation

» Construction

Conductors:

Solid annealed copper.

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colours.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	No.of wires (Min.)	Diameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	km	A	kg/km
0.5	1	0.79	0.6	1.9	2.3	0.015	3	9
0.75	1	0.96	0.6	2.1	2.5	0.012	6	11
1	1	1.11	0.6	2.2	2.7	0.011	10	14



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 06 (VSF)

Single-core Non-sheathed Cable with Flexible Conductor

» Applications

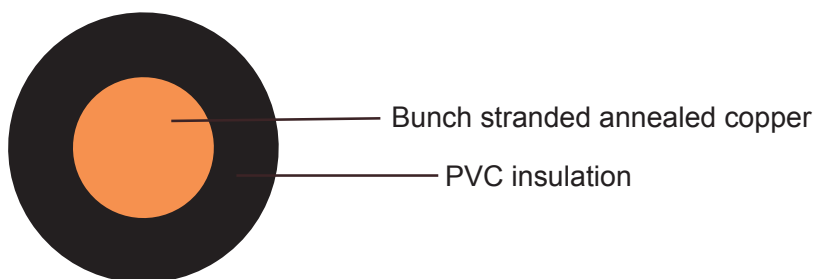
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colours.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia. of wires (Max.)	Diameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	km	A	kg/km
0.5	0.21	0.92	0.6	2.1	2.5	0.013	3	9
0.75	0.21	1.13	0.6	2.2	2.7	0.011	6	12
1	0.21	1.31	0.6	2.4	2.8	0.010	10	15



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 07 (HIV)

Single-Core Non-Sheathed Cable with Solid Conductor

» Applications

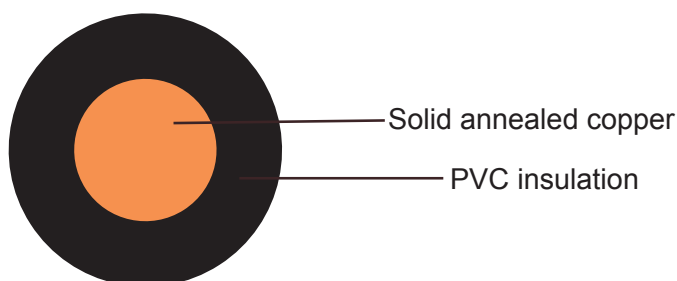
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



Solid annealed copper

PVC insulation

» Construction

Conductors:

Solid annealed copper.

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colours

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	km	A	kg/km
0.5	1	0.79	0.6	1.9	2.3	0.015	3	9
0.75	1	0.96	0.6	2.1	2.5	0.013	6	11
1	1	1.11	0.6	2.2	2.7	0.012	10	14
1.5	1	1.36	0.7	2.6	3.2	0.011	16	21
2.5	1	1.75	0.8	3.2	3.9	0.009	25	33



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 08 (HVSF)

Single-core Non-sheathed Cable with Flexible Conductor

» Applications

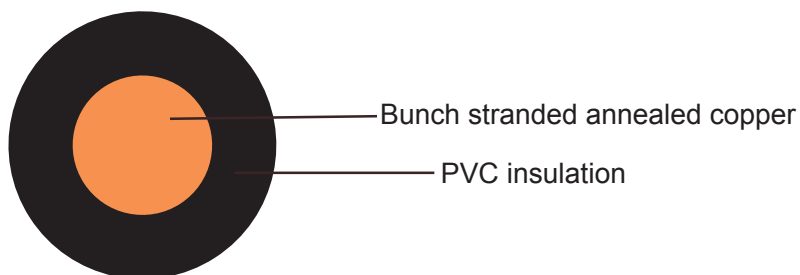
Use for general purpose

For installation in raceway and shall be protected water into raceway

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 3-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC. Black, Light Blue, Brown, Grey, Green/Yellow or other colours

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	km	A	kg/km
0.5	0.21	0.92	0.6	2.1	2.5	0.013	3	9
0.75	0.21	1.13	0.6	2.2	2.7	0.012	6	12
1	0.21	1.31	0.6	2.4	2.8	0.010	10	15
1.5	0.26	1.58	0.7	2.8	3.4	0.009	16	22
2.5	0.26	2.04	0.8	3.4	4.1	0.009	25	35



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

2 Cores - Light PVC Sheathed Cable

» Applications

Use for general purpose

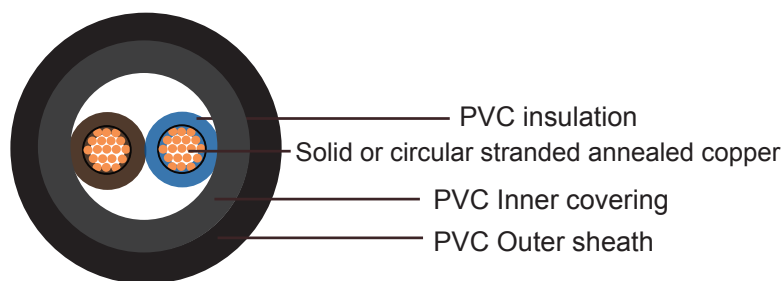
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Light Blue, Brown.

Inner covering:

PVC, Black colour

Outer sheath :

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



AC test voltage: 2,000V

No. of core	Conductor			Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross- sectional area	No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	mm ²		mm				mm	mm		A	kg/km
2	1.5	1	1.36	0.7	0.4	1.2	7.6	10.0	0.011	16	120
2	1.5	7	1.53	0.7	0.4	1.2	7.8	10.5	0.010	16	130
2	2.5	1	1.75	0.8	0.4	1.2	8.6	11.5	0.010	22	160
2	2.5	7	1.98	0.8	0.4	1.2	9.0	12.0	0.009	22	170
2	4	1	2.21	0.8	0.4	1.2	9.6	12.5	0.0085	30	210
2	4	7	2.49	0.8	0.4	1.2	10.0	13.0	0.0077	30	220
2	6	1	2.70	0.8	0.4	1.2	10.5	13.5	0.0070	37	260
2	6	7	3.09	0.8	0.4	1.2	11.0	14.0	0.0065	37	290
2	10	1	3.50	1.0	0.6	1.4	13.0	16.5	0.0070	52	430
2	10	7	3.99	1.0	0.6	1.4	13.5	17.5	0.0065	52	470
2	16	7	5.01	1.0	0.6	1.4	15.5	20.0	0.0052	70	650
2	25	7	6.30	1.2	0.8	1.4	18.5	24.0	0.0050	88	980
2	35	7	7.55	1.2	1.0	1.6	21.0	27.5	0.0044	110	1,310



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

3 Cores - Light PVC Sheathed Cable

» Applications

Use for general purpose

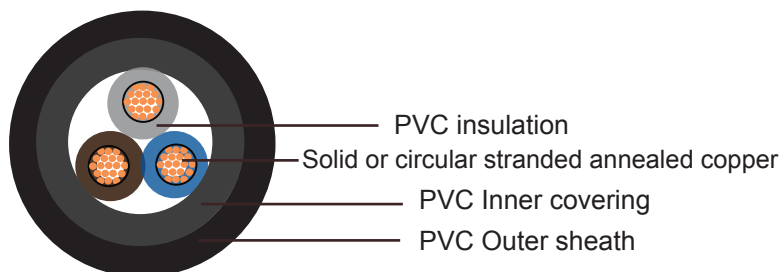
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Brown, Black, Grey.

Inner covering:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



AC test voltage: 2,000V

No. of core	Conductor			Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	mm ²		mm				mm	mm		A	kg/km
3	1.5	1	1.36	0.7	0.4	1.2	8.0	10.5	0.011	16	140
3	1.5	7	1.53	0.7	0.4	1.2	8.2	11.0	0.010	16	150
3	2.5	1	1.75	0.8	0.4	1.2	9.2	12.0	0.010	22	190
3	2.5	7	1.98	0.8	0.4	1.2	9.4	12.5	0.009	22	210
3	4	1	2.21	0.8	0.4	1.2	10.0	13.0	0.0085	30	250
3	4	7	2.49	0.8	0.4	1.2	10.5	13.5	0.0077	30	270
3	6	1	2.70	0.8	0.4	1.4	11.5	14.5	0.0070	37	340
3	6	7	3.09	0.8	0.4	1.4	12.0	15.5	0.0065	37	370
3	10	1	3.50	1.0	0.6	1.4	14.0	17.5	0.0070	52	540
3	10	7	3.99	1.0	0.6	1.4	14.5	19.0	0.0065	52	590
3	16	7	5.01	1.0	0.8	1.4	16.5	21.5	0.0052	70	840
3	25	7	6.30	1.2	0.8	1.6	20.5	26.0	0.0050	88	1,270
3	35	7	7.55	1.2	1.0	1.6	22.0	29.0	0.0044	110	1,680



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

4 Cores - Light PVC Sheathed Cable

» Applications

Use for general purpose

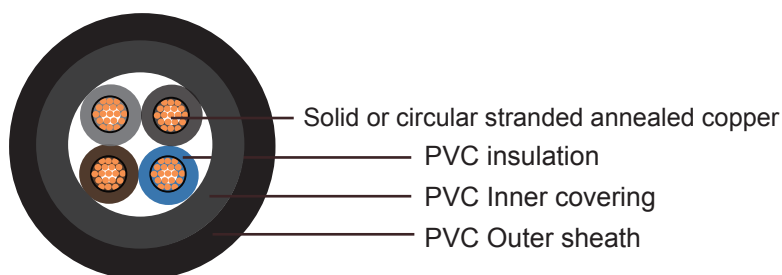
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Light Blue, Brown, Black, Grey.

Inner covering:

PVC, Black colour.

Outer sheath:

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



AC test voltage: 2,000V

No. of core	Conductor			Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	mm ²		mm				mm	mm		A	kg/km
4	1.5	1	1.36	0.7	0.4	1.2	8.6	11.5	0.011	16	170
4	1.5	7	1.53	0.7	0.4	1.2	9.0	12.0	0.010	16	180
4	2.5	1	1.75	0.8	0.4	1.2	10.0	13.0	0.010	22	240
4	2.5	7	1.98	0.8	0.4	1.2	10.0	13.5	0.009	22	250
4	4	1	2.21	0.8	0.4	1.4	11.5	14.5	0.0085	30	330
4	4	7	2.49	0.8	0.4	1.4	12.0	15.0	0.0077	30	350
4	6	1	2.70	0.8	0.6	1.4	12.5	16.0	0.0070	37	440
4	6	7	3.09	0.8	0.6	1.4	13.0	17.0	0.0065	37	480
4	10	1	3.50	1.0	0.6	1.4	15.5	19.0	0.0070	52	670
4	10	7	3.99	1.0	0.6	1.4	16.0	20.5	0.0065	52	740
4	16	7	5.01	1.0	0.8	1.4	18.0	23.5	0.0052	70	1,060
4	25	7	6.30	1.2	1.0	1.6	22.5	28.5	0.0050	88	1,640
4	35	7	7.55	1.2	1.0	1.6	24.5	32.0	0.0044	110	2,130



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

5 Cores - Light PVC Sheathed Cable

» Applications

Use for general purpose

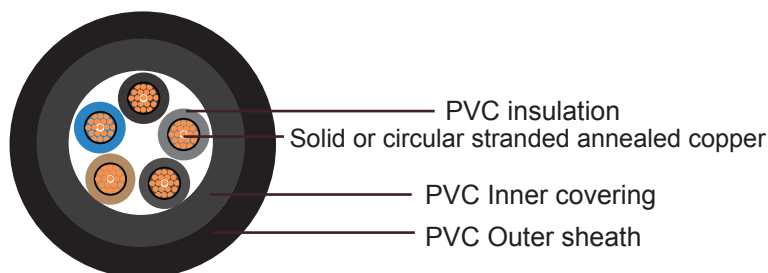
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Light Blue, Brown, Black, Grey, Black.

Inner covering:

PVC, Black colour.

Outer sheath:

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



AC test voltage: 2,000V

No. of core	Conductor			Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross- sectional area	No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	mm ²		mm				mm	mm		A	kg/km
5	1.5	1	1.36	0.7	0.4	1.2	9.4	12.0	0.011	16	210
5	1.5	7	1.53	0.7	0.4	1.2	9.8	12.5	0.010	16	220
5	2.5	1	1.75	0.8	0.4	1.2	11.0	14.0	0.010	22	290
5	2.5	7	1.98	0.8	0.4	1.2	11.0	14.5	0.009	22	310
5	4	1	2.21	0.8	0.6	1.4	12.5	16.0	0.0085	30	420
5	4	7	2.49	0.8	0.6	1.4	13.0	17.0	0.0077	30	450
5	6	1	2.70	0.8	0.6	1.4	13.5	17.5	0.0070	37	550
5	6	7	3.09	0.8	0.6	1.4	14.5	18.5	0.0065	37	600
5	10	1	3.50	1.0	0.6	1.4	17.0	21.0	0.0070	52	850
5	10	7	3.99	1.0	0.6	1.4	17.5	22.0	0.0065	52	920
5	16	7	5.01	1.0	0.8	1.6	20.5	26.0	0.0052	70	1,350
5	25	7	6.30	1.2	1.0	1.6	24.5	31.5	0.0050	88	2,050
5	35	7	7.55	1.2	1.2	1.6	27.0	35.0	0.0044	110	2,710



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

3 Cores - Light PVC Sheathed Cable With Ground

» Applications

Use for general purpose

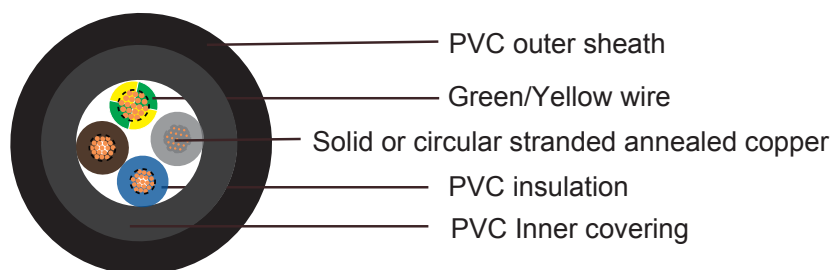
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Green/Yellow, Brown, Black, Grey.

Inner covering:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 300/500V

AC test voltage: 2,000V

No. of core	Conductor				Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross- sectional area		No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	mm2	mm2		mm				mm	mm			
3	1.5	1.5	1	1.36	0.7	0.4	1.2	8.6	11.5	0.011	16	170
3	1.5	1.5	7	1.53	0.7	0.4	1.2	9.0	12.0	0.010	16	180
3	2.5	2.5	1	1.75	0.8	0.4	1.2	10.0	13.0	0.010	22	240
3	2.5	2.5	7	1.98	0.8	0.4	1.2	10.0	13.5	0.009	22	250
3	4	4	1	2.21	0.8	0.4	1.4	11.5	14.5	0.0085	30	330
3	4	4	7	2.49	0.8	0.4	1.4	12.0	15.0	0.0077	30	350
3	6	6	1	2.70	0.8	0.6	1.4	12.5	16.0	0.0070	37	440
3	6	6	7	3.09	0.8	0.6	1.4	13.0	17.0	0.0065	37	480
3	10	10	1	3.50	1.0	0.6	1.4	15.5	19.0	0.0070	52	670
3	10	10	7	3.99	1.0	0.6	1.4	16.0	20.5	0.0065	52	740
3	16	16	7	5.01	1.0	0.8	1.4	18.0	23.5	0.0052	70	1,060
3	25	25	7	6.30	1.2	1.0	1.6	22.5	28.5	0.0050	88	1,640
3	35	35	7	7.55	1.2	1.0	1.6	24.5	32.0	0.0044	110	2,130



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 10

4 Cores - Light PVC Sheathed Cable with Ground

» Applications

Use for general purpose

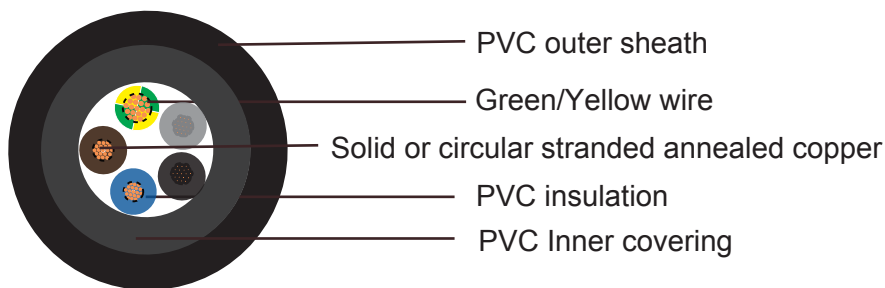
For installation in raceway and shall be protected water into raceway

Laid on cable trays/Cable ladder

Do not install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 4-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Green/Yellow, Light Blue, Brown, Black, Grey.

Inner covering:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 300/500V

AC test voltage: 2,000V

No. of core	Conductor				Thickness of insulation	Thickness of inner covering (Approx.)	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating Laid on cable ladder	Cable weight (Approx.)
	Cross- sectional area		No. of wires (Min.)	Diameter (Approx.)				Lower limit	Upper limit			
	Phase	Ground										
	mm2	mm2										
4	1.5	1.5	1	1.36	0.7	0.4	1.2	9.4	12.0	0.011	16	210
4	1.5	1.5	7	1.53	0.7	0.4	1.2	9.8	12.5	0.010	16	220
4	2.5	2.5	1	1.75	0.8	0.4	1.2	11.0	14.0	0.010	22	290
4	2.5	2.5	7	1.98	0.8	0.4	1.2	11.0	14.5	0.009	22	310
4	4	4	1	2.21	0.8	0.6	1.4	12.5	16.0	0.0085	30	420
4	4	4	7	2.49	0.8	0.6	1.4	13.0	17.0	0.0077	30	450
4	6	6	1	2.70	0.8	0.6	1.4	13.5	17.5	0.0070	37	550
4	6	6	7	3.09	0.8	0.6	1.4	14.5	18.5	0.0065	37	600
4	10	10	1	3.50	1.0	0.6	1.4	17.0	21.0	0.0070	52	850
4	10	10	7	3.99	1.0	0.6	1.4	17.5	22.0	0.0065	52	920
4	16	16	7	5.01	1.0	0.8	1.6	20.5	26.0	0.0052	70	1,350
4	25	25	7	6.30	1.2	1.0	1.6	24.5	31.5	0.0050	88	2,050
4	35	35	7	7.55	1.2	1.2	1.6	27.0	35.0	0.0044	110	2,710



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 70°C 60227 IEC 43

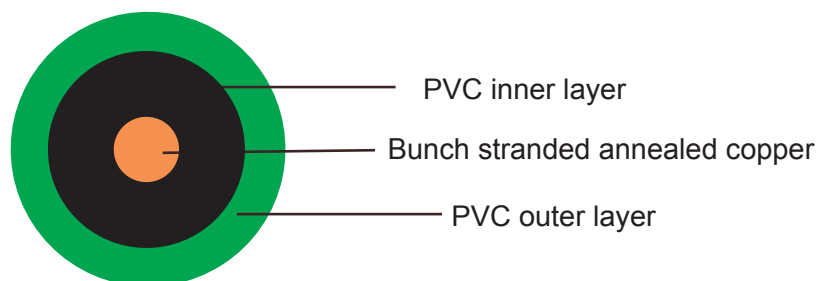
Single-core Cord for Indoor Decorative Lighting Chains

» Applications

Use for connecting indoor decorative lighting.

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation(inner layer):

PVC, Black or other colour.

Insulation(outer layer):

PVC, Green colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of each layer of insulation (Min.)	Overall insulation thickness		Overall diameter		Insulation resistance at 70 °C (Min.)	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)		(Min.)	(Avg.)	Lower limit	Upper limit		
	mm ²		mm		mm	mm	mm	mm		
1	0.5	0.21	0.92	0.2	0.6	0.7	2.3	2.7	0.014	11
1	0.75	0.21	1.13	0.2	0.6	0.7	2.4	2.9	0.012	14



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 70°C 60227 IEC 52 (VKF)

2 Cores - Light PVC Sheathed Cord

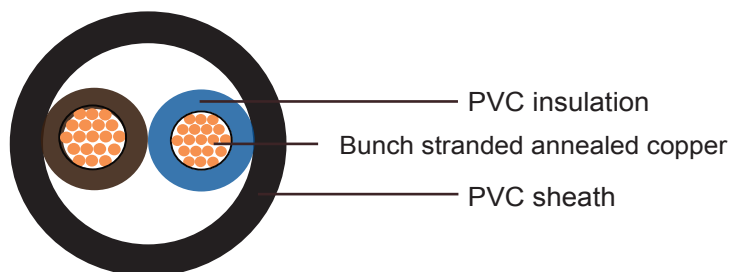
» Applications

Use for connecting portable electric appliance

Use for wiring within electric appliance

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.5	0.21	0.92	0.5	0.6	3.0*4.9	3.7*5.9	0.012	3	29
2	0.75	0.21	1.13	0.5	0.6	3.2*5.2	3.8*6.3	0.010	6	36



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 70°C 60227 IEC 52

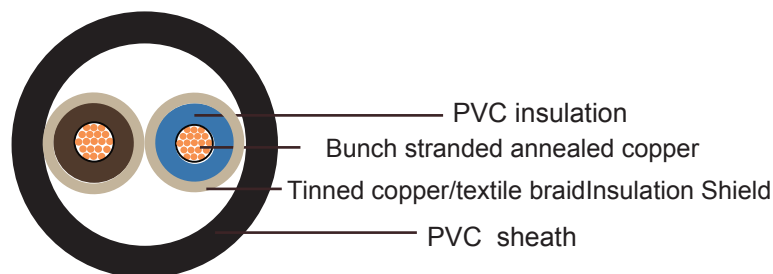
2 Cores - Light PVC Cord

» Applications

Use for connecting portable electric appliance
Use for wiring within electric appliance

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Insulation Shield:

Tinned copper/textile braid.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.5	0.21	0.92	0.5	0.6	4.6	5.9	0.012	3	41
2	0.75	0.21	1.13	0.5	0.6	4.9	6.3	0.010	6	50



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 70°C 60227 IEC 52

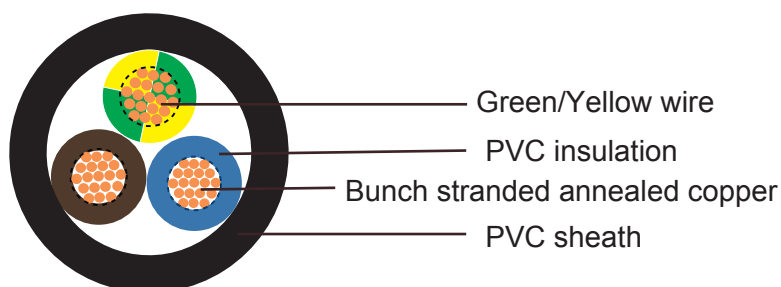
2 Cores - Light PVC Sheathed Cord With Ground

» Applications

Use for connecting portable electric appliance
Use for wiring within electric appliance

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
2	0.5	0.5	0.21	0.92	0.5	0.6	4.9	6.3	0.012	3	48
2	0.75	0.75	0.21	1.13	0.5	0.6	5.2	6.7	0.010	6	60



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 53 (VKF)

2 Cores - Ordinary PVC Sheathed Cord

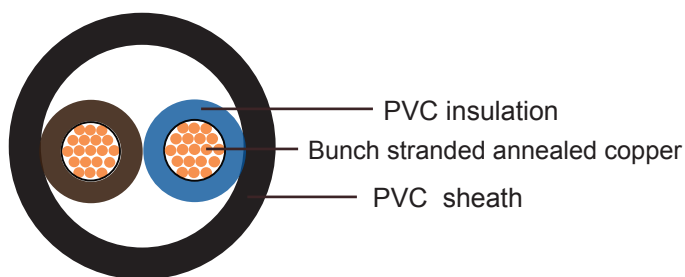
» Applications

Use for connecting portable electric appliances (heavy duty)

Use for connecting lamp

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.75	0.21	1.13	0.6	0.8	3.7*6.0	4.5*7.2	0.011	6	44
2	1.0	0.21	1.31	0.6	0.8	3.9*6.2	4.7*7.5	0.010	10	52



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 53

2,3,4,5 Cores - Ordinary PVC Sheathed Cord

» Applications

Use for connecting portable electric appliance (heavy duty)

Use for connecting lamp

» Standards

TIS 11 Part 5-2553

» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC.

2 cores - Light Blue, Brown

3 cores - Brown, Black, Grey

4 cores - Light Blue, Brown, Black, Grey

5 cores - Light Blue, Brown, Black, Grey, Black

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm	mm	mm	mm	mm	km	A	kg/km
2	0.75	0.21	1.13	0.6	0.8	5.7	7.2	0.011	6	63
2	1.0	0.21	1.31	0.6	0.8	5.9	7.5	0.010	10	72
2	1.5	0.26	1.58	0.7	0.8	6.8	8.6	0.010	16	96
2	2.5	0.26	2.04	0.8	1.0	8.4	10.6	0.009	25	150
3	0.75	0.21	1.13	0.6	0.8	6.0	7.6	0.011	6	74
3	1.0	0.21	1.31	0.6	0.8	6.3	8.0	0.010	10	87
3	1.5	0.26	1.58	0.7	0.9	7.4	9.4	0.010	16	120
3	2.5	0.26	2.04	0.8	1.1	9.2	11.4	0.009	20	190
4	0.75	0.21	1.13	0.6	0.8	6.6	8.3	0.011	6	91
4	1.0	0.21	1.31	0.6	0.9	7.1	9.0	0.010	10	110
4	1.5	0.26	1.58	0.7	1.0	8.4	10.5	0.010	16	150
4	2.5	0.26	2.04	0.8	1.1	10.1	12.5	0.009	20	230
5	0.75	0.21	1.13	0.6	0.9	7.4	9.3	0.011	6	110
5	1.0	0.21	1.31	0.6	0.9	7.8	9.8	0.010	10	130
5	1.5	0.26	1.58	0.7	1.1	9.3	11.6	0.010	16	190
5	2.5	0.26	2.04	0.8	1.2	11.2	13.9	0.009	20	290



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 53

2 Cores - Ordinary PVC Sheathed Cord With Ground

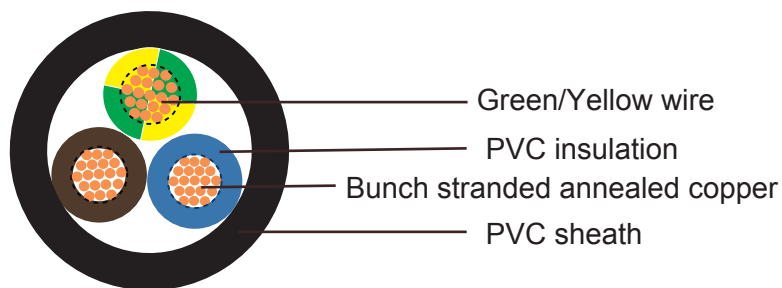
» Applications

Use for connecting portable electric appliance (heavy duty)

Use for connecting lamp

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
2	0.75	0.75	0.21	1.13	0.6	0.8	6.0	7.6	0.011	6	74
2	1	1	0.21	1.31	0.6	0.8	6.3	8.0	0.010	10	87
2	1.5	1.5	0.26	1.58	0.7	0.9	7.4	9.4	0.010	16	120
2	2.5	2.5	0.26	2.04	0.8	1.1	9.2	11.4	0.009	25	190



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 53

3 Cores - Ordinary PVC Sheathed Cord With Ground

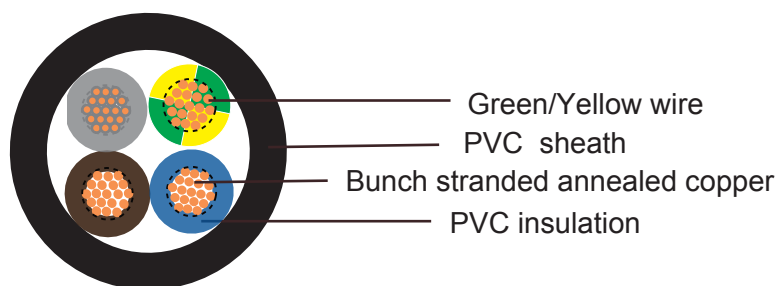
» Applications

Use for connecting portable electric appliance (heavy duty)

Use for connecting lamp

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Brown, Black, Grey.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diamete		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
3	0.75	0.75	0.21	1.13	0.6	0.8	6.6	8.3	0.011	6	91
3	1	1	0.21	1.31	0.6	0.8	7.1	9.0	0.010	10	110
3	1.5	1.5	0.26	1.58	0.7	0.9	8.4	10.5	0.010	16	150
3	2.5	2.5	0.26	2.04	0.8	1.1	10.1	12.5	0.009	25	230



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C 60227 IEC 53

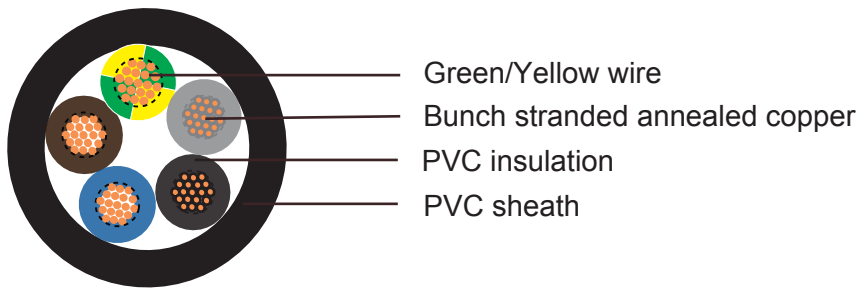
4 Cores - Ordinary PVC Sheathed Cord With Ground

» Applications

Use for connecting portable electric appliance (heavy duty)
Use for connecting lamp

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown, Black, Grey.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
4	0.75	0.75	0.21	1.13	0.6	0.9	7.4	9.3	0.011	6	110
4	1	1	0.21	1.31	0.6	0.9	7.8	9.8	0.010	10	130
4	1.5	1.5	0.26	1.58	0.7	1.1	9.3	11.6	0.010	16	190
4	2.5	2.5	0.26	2.04	0.8	1.2	11.2	13.9	0.009	25	290



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 90°C 60227 IEC 56 (HVKF)

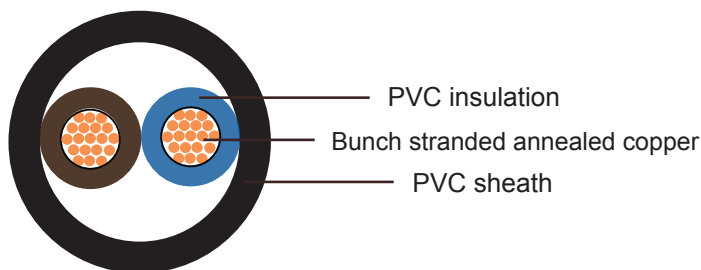
2 Cores - Heat-resistant Light PVC-sheathed Cord

» Applications

Use for connecting portable electric appliance (heavy duty)

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.5	0.21	0.92	0.5	0.6	3.0*4.9	3.7*5.9	0.012	3	29
2	0.75	0.21	1.13	0.5	0.6	3.2*5.2	3.8*6.3	0.010	6	36



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 90°C 60227 IEC 56

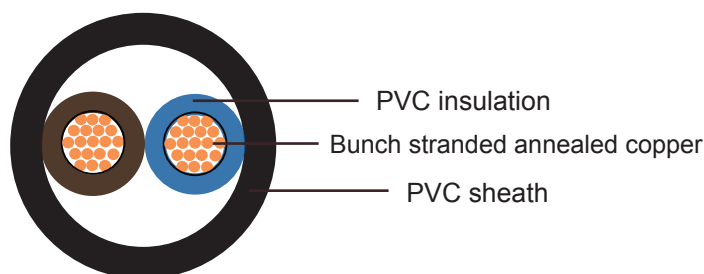
2 Cores - Heat-resistant Light PVC-sheathed Cord

» Applications

Use for connecting portable electric appliances (heavy duty)

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.5	0.21	0.92	0.5	0.6	4.6	5.9	0.012	3	41
2	0.75	0.21	1.13	0.5	0.6	4.9	6.3	0.010	6	50



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/300V 90°C 60227 IEC 56

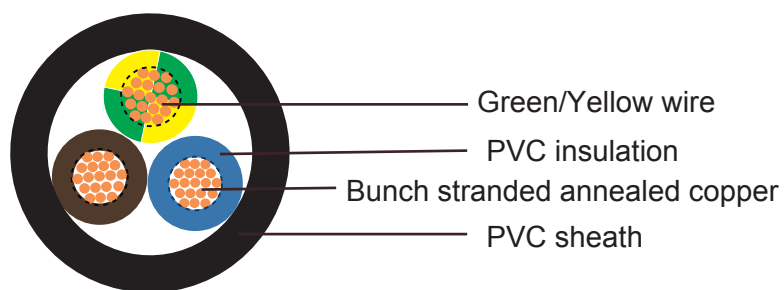
2 Cores - Heat-resistant Light PVC-sheathed Cord With Ground

» Applications

Use for connecting portable electric appliances (heavy duty)

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/300V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
2	0.5	0.5	0.21	0.92	0.5	0.6	4.9	6.3	0.012	3	48
2	0.75	0.75	0.21	1.11	0.5	0.6	5.2	6.7	0.010	6	60



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 57 (HVKF)

2 Cores - Heat-resistant Ordinary PVC-sheathed Cord

» Applications

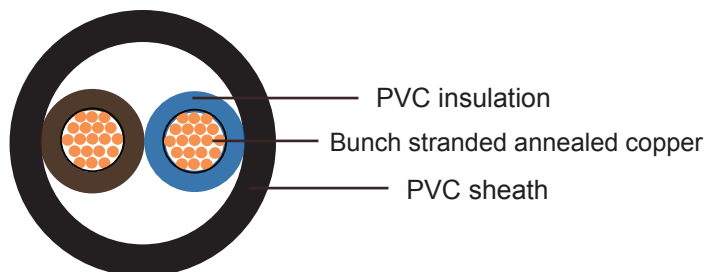
Use for connecting portable electric appliances (heavy duty)

Use for wiring in lamp with/without ballast

Use in an advertisement board/an electric signs

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm			mm	mm			
2	0.75	0.21	1.13	0.6	0.8	3.7*6.0	4.5*7.2	0.011	6	44
2	1	0.21	1.31	0.6	0.8	3.9*6.2	4.7*7.5	0.010	10	52



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 57

2,3,4,5 Cores - Heat-resistant Ordinary PVC-sheathed Cord

» Applications

Use for connecting portable electric appliances (heavy duty)

Use for wiring in lamp with/without ballast

Use in an advertisement board/an electric signs

» Standards

TIS 11 Part 5-2553

» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC.

2 cores - Light Blue, Brown

3 cores - Brown, Black, Grey

4 cores - Light Blue, Brown, Black, Grey

5 cores - Light Blue, Brown, Black, Grey, Black

Sheath :

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor			Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross- sectional area	Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	mm ²		mm	mm	mm	mm	mm	km	A	kg/km
2	0.75	0.21	1.13	0.6	0.8	5.7	7.2	0.011	6	63
2	1.0	0.21	1.31	0.6	0.8	5.9	7.5	0.010	10	72
2	1.5	0.26	1.58	0.7	0.8	6.8	8.6	0.010	16	96
2	2.5	0.26	2.04	0.8	1.0	8.4	10.6	0.009	25	150
3	0.75	0.21	1.13	0.6	0.8	6.0	7.6	0.011	6	74
3	1.0	0.21	1.31	0.6	0.8	6.3	8.0	0.010	10	87
3	1.5	0.26	1.58	0.7	0.9	7.4	9.4	0.010	16	120
3	2.5	0.26	2.04	0.8	1.1	9.2	11.4	0.009	20	190
4	0.75	0.21	1.13	0.6	0.8	6.6	8.3	0.011	6	91
4	1.0	0.21	1.31	0.6	0.9	7.1	9.0	0.010	10	110
4	1.5	0.26	1.58	0.7	1.0	8.4	10.5	0.010	16	150
4	2.5	0.26	2.04	0.8	1.1	10.1	12.5	0.009	20	230
5	0.75	0.21	1.13	0.6	0.9	7.4	9.3	0.011	6	110
5	1.0	0.21	1.31	0.6	0.9	7.8	9.8	0.010	10	130
5	1.5	0.26	1.58	0.7	1.1	9.3	11.6	0.010	16	190
5	2.5	0.26	2.04	0.8	1.2	11.2	13.9	0.009	20	290



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 57

2Cores-Heat-resistant Ordinary PVC-sheathed Cord With Ground

» Applications

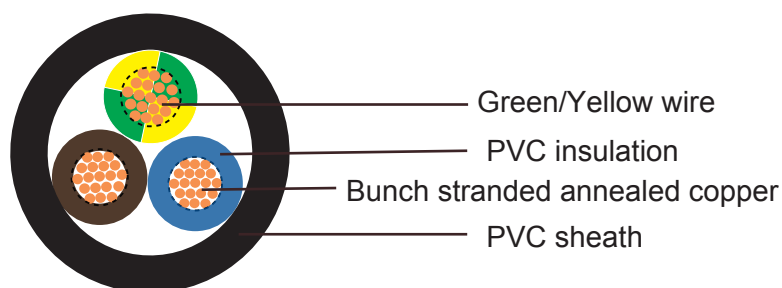
Use for connecting portable electric appliances (heavy duty)

Use for wiring in lamp with/without ballast

Use in an advertisement board/an electric signs

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
2	0.75	0.75	0.21	1.13	0.6	0.8	6.0	7.6	0.011	6	74
2	1	1	0.21	1.31	0.6	0.8	6.3	8.0	0.010	10	84
2	1.5	1.5	0.26	1.58	0.7	0.9	7.4	9.4	0.010	16	120
2	2.5	2.5	0.26	2.04	0.8	1.1	9.2	11.4	0.009	25	190



Caledonian Mining Cables

Portable Power Cables

300/500V 90°C 60227 IEC 57

3Cores-Heat-resistant Ordinary PVC-sheathed Cord With Ground

» Applications

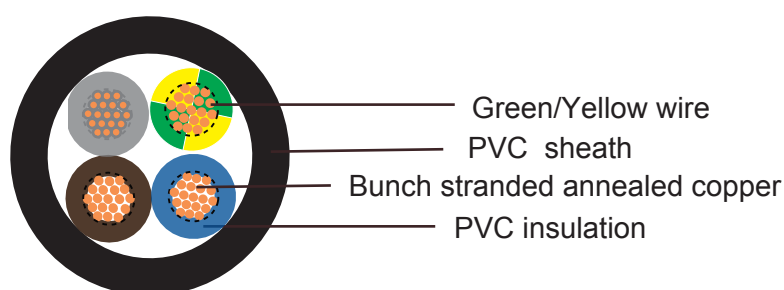
Use for connecting portable electric appliances (heavy duty)

Use for wiring in lamp with/without ballast

Use in an advertisement board/an electric signs

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Brown, Black, Grey.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian Mining Cables

Portable Welding Cables



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
3	0.75	0.75	0.21	1.13	0.6	0.8	6.6	8.3	0.011	6	91
3	1	1	0.21	1.31	0.6	0.8	7.1	9.0	0.010	10	110
3	1.5	1.5	0.26	1.58	0.7	0.9	8.4	10.5	0.010	16	150
3	2.5	2.5	0.26	2.04	0.8	1.1	10.1	12.5	0.009	20	230



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 90°C 60227 IEC 57

4Cores-Heat-resistant Ordinary Pvc-sheathed Cord With Ground

» Applications

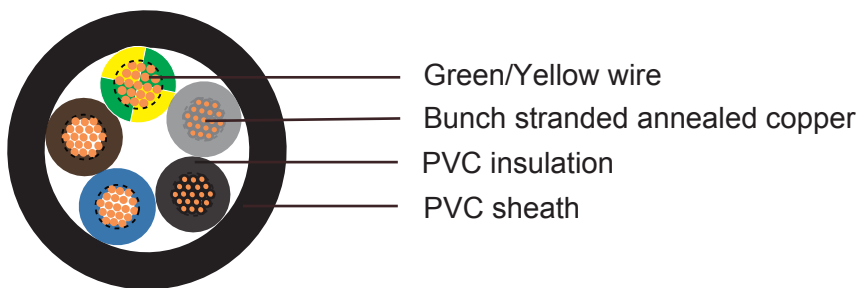
Use for connecting portable electric appliances (heavy duty)

Use for wiring in lamp with/without ballast

Use in an advertisement board/an electric signs

» Standards

TIS 11 Part 5-2553



» Construction

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Green/Yellow, Light Blue, Brown, Black, Grey.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 90°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



No. of core	Conductor				Thickness of insulation	Thickness of outer sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating in free air	Cable weight (Approx.)
	Cross-sectional area		Dia. of wires (Max.)	Diameter (Approx.)			Lower limit	Upper limit			
	Phase	Ground									
	mm2	mm2									
4	0.75	0.75	0.21	1.13	0.6	0.9	7.4	9.3	0.011	6	110
4	1	1	0.21	1.31	0.6	0.9	7.8	9.8	0.010	10	130
4	1.5	1.5	0.26	1.58	0.7	1.1	9.3	11.6	0.010	16	190
4	2.5	2.5	0.26	2.04	0.8	1.2	11.2	13.9	0.009	20	290



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C VAF

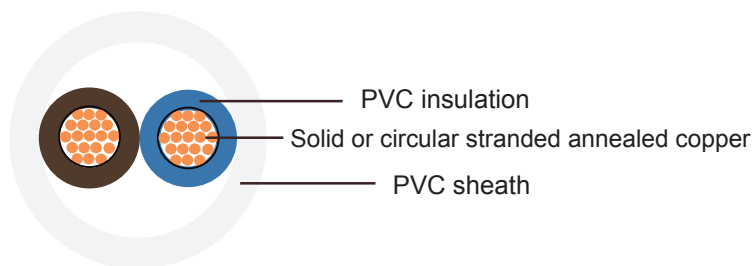
2Cores-Pvc Insulated And PVC Sheathed Cable, Flat Type

» Applications

Use for surface wiring
For installation in raceway
Do not install in conduit
Do not burial in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Light Blue, Brown.

Sheath:

PVC, White colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor				Thickness of sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating on wall	Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)	Thickness of insulation		Lower limit	Upper limit			
mm ²		mm	mm	mm	mm	mm	km	A	kg/km
1.5	1	1.36	0.7	0.9	4.4 x 7.0	5.4 x 8.4	0.0110	17	67
2.5	1	1.75	0.8	1.0	5.2 x 8.4	6.2 x 9.8	0.0100	23	100
4	7	2.49	0.8	1.1	5.6 x 9.6	7.2 x 11.5	0.0077	32	150
6	7	3.09	0.8	1.1	6.4 x 10.5	8.0 x 13.0	0.0065	41	200
10	7	3.99	1.0	1.2	7.8 x 13.0	9.6 x 16.0	0.0065	56	320
16	7	5.01	1.0	1.3	9.0 x 15.5	11.0 x 18.5	0.0052	74	460



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

300/500V 70°C VAF-G

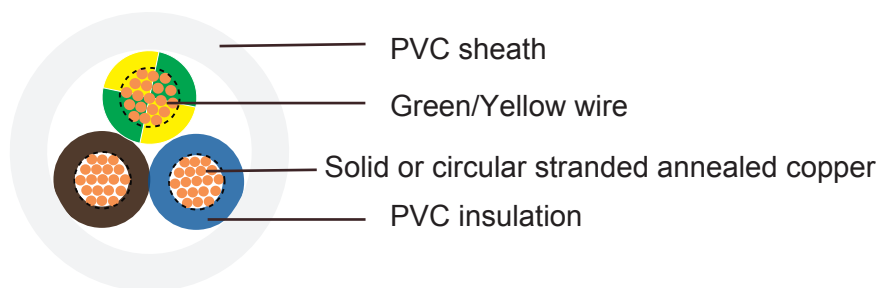
2Cores-Pvc Insulated And PVC Sheathed Cable, Flat Type With Ground

» Applications

Use for surface wiring
For installation in raceway
Do not install in conduit
Do not burial in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

PVC. Phase - Light Blue, Brown, Ground - Green/Yellow.

Sheath:

PVC, White colour.

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 300/500V

AC test voltage: 2,000V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor						Thickness of insulation		Thickness of sheath	Overall diameter		Insulation resistance at 70 °C (Min.)	Current rating on wall	Cable weight (Approx.)	
Cross-sectional area		No. of wires (Min.)		Diameter (Approx.)					Lower limit	Upper limit				
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground							mm
mm2	mm2	mm2		mm	mm	mm	mm	mm	mm	mm	mm	km	A	kg/km
1	1	1	1	1.11	1.11	0.6	0.6	0.9	4.0x8.4	4.7x9.8	0.0110	14	74	
1.5	1.5	1	1	1.36	1.36	0.7	0.7	0.9	4.4x9.8	5.4x11.5	0.0110	17	100	
2.5	2.5	1	1	1.75	1.75	0.8	0.8	1.0	5.2x11.5	6.2x13.5	0.0100	23	150	
4	4	7	7	2.49	2.49	0.8	0.8	1.1	5.8x13.4	7.4x16.5	0.0077	32	230	
6	6	7	7	3.09	3.09	0.8	0.8	1.1	6.4x15.0	8.0x18.0	0.0065	41	300	
10	10	7	7	3.99	3.99	1.0	1.0	1.2	7.8x19.0	9.6x22.5	0.0065	56	490	
16	16	7	7	5.01	5.01	1.0	1.0	1.3	9.0x22.0	11.0x26.5	0.0052	74	710	



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750 V 70°C NYY

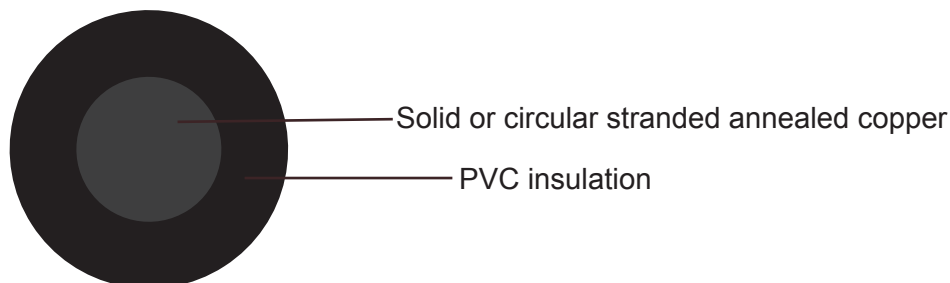
1Core- Pvc Insulated And Sheathed Cable, Round Type

» Applications

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Solid or circular stranded annealed copper.

Insulation:

Polyvinyl chloride (PVC), Black colour.

Sheath:

Polyvinyl chloride (PVC), Black colour.

» Physical & Technical Characteristics

Maximum conductor temperature : 70°C

Rated voltage: 450/750 V

AC test voltage : 2,500 V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)					on cable ladder	direct burial in ground	
mm ²		mm	mm	mm	mm	km	A	A	kg/km
1	1	1.11	1.5	1.8	8.6	0.0207	-	21	82
1	7	1.26	1.5	1.8	8.8	0.0200	-	21	85
1.5	1	1.36	1.5	1.8	9.0	0.0184	-	26	90
1.5	7	1.53	1.5	1.8	9.2	0.0175	-	26	94
2.5	1	1.75	1.5	1.8	9.4	0.0157	-	35	105
2.5	7	1.98	1.5	1.8	9.8	0.0146	-	35	110
4	1	2.21	1.5	1.8	10.0	0.0135	-	45	130
4	7	2.49	1.5	1.8	10.5	0.0124	-	45	130
6	7	3.09	1.5	1.8	11.0	0.0107	-	57	160
10	7	3.99	1.5	1.8	12.0	0.0088	-	76	220
16	7	5.01	1.5	1.8	13.0	0.0074	-	99	290
25	7	6.30	1.5	1.8	14.5	0.0061	127	128	400
35	7	7.55	1.5	1.8	16.0	0.0053	157	154	510
50	19	8.75	1.5	1.8	17.0	0.0046	191	181	650
70	19	10.50	1.5	1.8	19.0	0.0039	244	223	870
95	19	12.35	1.7	1.8	21.5	0.0038	297	267	1,170
120	37	13.93	1.7	1.8	23.0	0.0034	345	304	1,430
150	37	15.47	1.9	2.0	26.0	0.0034	397	342	1,760
185	37	17.29	2.1	2.0	28.0	0.0034	453	386	2,170
240	37	19.89	2.3	2.2	31.5	0.0033	535	448	2,830
300	61	22.23	2.5	2.2	35.0	0.0032	617	507	3,480
400	61	25.20	2.7	2.2	38.5	0.0030	741	577	4,400
500	61	28.53	3.1	2.4	43.0	0.0031	854	654	5,630



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750 V 70°C NYY

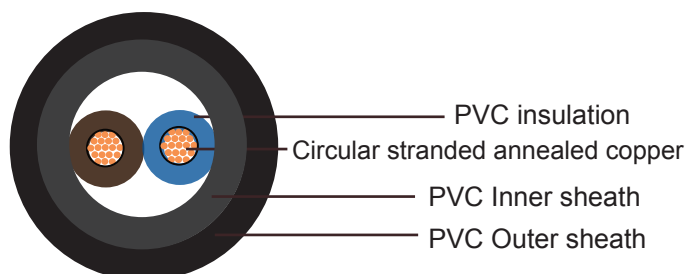
2Cores-Pvc Insulated And Double Sheathed Cable, Round Type

» Applications

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground or direct burial in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Circular stranded annealed copper

Insulation :

Polyvinyl chloride (PVC)

Colour code :

Light Blue, Brown

Inner sheath :

Polyvinyl chloride (PVC), Black colour

Outer sheath :

Polyvinyl chloride (PVC), Black colour

Physical & Technical Characteristics

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Maximum conductor temperature : 70°C

Rated voltage: 450/750 V

AC test voltage : 2,500 V

Conductor			Thickness of insulation	Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)						on cable ladder	direct burial in ground	
mm ²		mm	mm	mm	mm	mm	km	A	A	kg/km
50	19	8.75	1.5	1.2	2.2	33.5	0.0046	133	181	1850
70	19	10.50	1.5	1.5	2.2	38	0.0039	171	223	2500
95	19	12.35	1.7	1.5	2.2	42.5	0.0038	207	267	3300
120	37	13.93	1.7	1.5	2.4	46.5	0.0034	240	304	4010
150	37	15.47	1.9	1.8	2.6	52	0.0034	278	342	4970
185	37	17.29	2.1	1.8	2.8	57	0.0034	317	386	6110
240	37	19.89	2.3	2.0	3.0	64	0.0033	374	448	7900
300	61	22.23	2.5	2.0	3.2	70.5	0.0032	432	507	9690



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C NYY

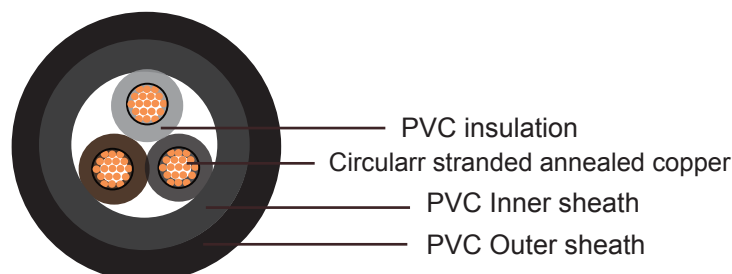
3Cores-PVC Insulated, Double PVC Sheathed Cable, Round Type

» Applications

Use for general purpose
laid on cable trays/Cable tray
Install in duct in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Circularly stranded annealed copper.

Insulation:

PVC, Brown, Black, Grey.

Inner Sheath:

PVC, Black colour.

Outer sheath:

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 450/750V

AC test voltage: 2,500V

Conductor			Thickness of insulation	Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)						on cable ladder	direct burial in ground	
mm ²		mm	mm	mm	mm	mm	km	A	A	kg/km
50	19	8.75	1.5	1.5	2.2	36.0	0.0046	133	181	2,410
70	19	10.50	1.5	1.5	2.2	40.5	0.0039	171	223	3,200
95	19	12.35	1.7	1.5	2.4	46.0	0.0038	207	267	4,300
120	37	13.93	1.7	1.8	2.6	50.5	0.0034	240	304	5,320
150	37	15.47	1.9	1.8	2.8	56.0	0.0034	278	342	6,490
185	37	17.29	2.1	2.0	3.0	61.5	0.0034	317	386	8,060
240	37	19.89	2.3	2.0	3.2	69.0	0.0033	374	448	10,360
300	61	22.23	2.5	2.2	3.4	76.0	0.0032	432	507	12,810



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C NYY

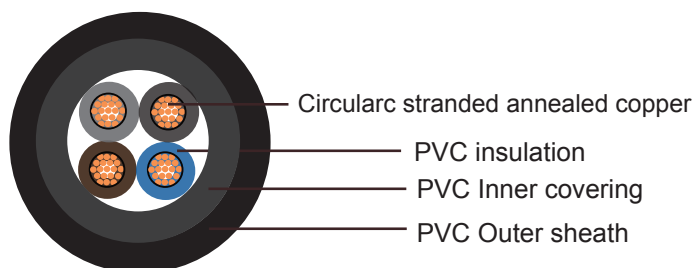
4Cores-PVC Insulated, Double PVC Sheathed Cable, Round Type

» Applications

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground

» Standards

TIS 11 Part 101-2553



» Construction

Conductors:

Circularc stranded annealed copper.

Insulation:

PVC, Light Blue, Brown, Black, Grey.

Inner Sheath:

PVC, Black colour.

Outer sheath:

PVC, Black colour

» Physical & Technical Characteristics

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross-sectional area	No. of wires (Min.)	Diameter (Approx.)						on cable ladder	direct burial in ground	
mm ²		mm	mm	mm	mm	mm	km	A	A	kg/km
50	19	8.75	1.5	1.5	2.2	39.5	0.0046	133	181	3,020
70	19	10.50	1.5	1.5	2.4	44.5	0.0039	171	223	4,090
95	19	12.35	1.7	1.5	2.6	51.5	0.0038	207	267	5,580
120	37	13.93	1.7	1.8	2.8	56.0	0.0034	240	304	6,800
150	37	15.47	1.9	1.8	3.0	62.0	0.0034	278	342	8,360
185	37	17.29	2.1	2.0	3.2	68.0	0.0034	317	386	10,310
240	37	19.89	2.3	2.0	3.4	76.5	0.0033	374	448	13,350
300	61	22.23	2.5	2.2	3.8	85.0	0.0032	432	507	16,500



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C NYY-G

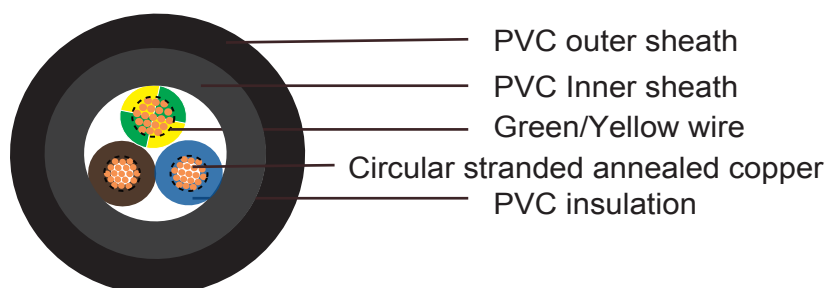
2Cores-PVC Insulated, Double PVC Sheathed Cable, Round Type With Ground

» Applications.....

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Circular stranded annealed copper.

Insulation:

PVC, Phase - Light Blue, Brown, Ground - Green/Yellow.

Inner Sheath:

PVC, Black colour.

Outer sheath:

PVC, Black colour

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 450/750V

AC test voltage: 2,500V

Conductor						Thickness of insulation		Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross sectional area		No. of wire (Min.)		Diameter (Approx.)								on cable ladder	direct burial in ground	
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground							
mm2	mm2			mm	mm	mm	mm	mm	mm	mm	km	A	A	kg/km
25	16	7	7	6.30	5.01	1.3	1.1	1.2	2.0	28.0	0.0054	88	128	1,280
35	16	7	7	7.55	5.01	1.3	1.1	1.2	2.0	30.0	0.0047	110	154	1,550
50	25	19	7	8.75	6.30	1.5	1.3	1.2	2.2	34.0	0.0046	133	181	2,080
70	35	19	7	10.50	7.55	1.5	1.3	1.5	2.2	38.5	0.0039	171	223	2,810
95	50	19	19	12.35	8.75	1.7	1.5	1.5	2.2	43.5	0.0038	207	267	3,710
120	70	37	19	13.93	10.50	1.7	1.5	1.5	2.4	47.5	0.0034	240	304	4,620
150	95	37	19	15.47	12.35	1.9	1.7	1.8	2.6	53.0	0.0034	278	342	5,840
185	95	37	19	17.29	12.35	2.1	1.7	1.8	2.8	57.5	0.0034	317	386	6,910
240	120	37	37	19.89	13.93	2.3	1.7	2.0	3.0	64.5	0.0033	374	448	8,860
300	150	61	37	22.23	15.47	2.5	1.9	2.0	3.2	71.0	0.0032	432	507	10,880



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C NYY-G

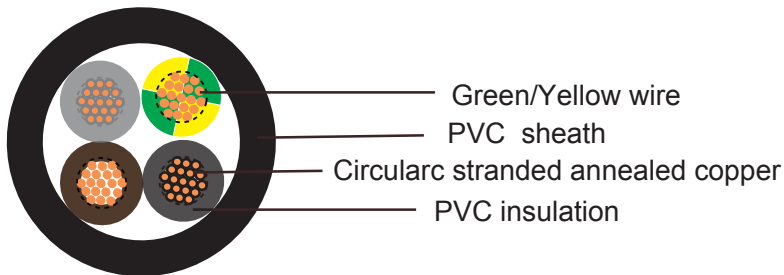
3 Cores - PVC Insulated, Double PVC Sheathed Cable, Round Type With Ground

» Applications.....

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Circularc stranded annealed copper.

Insulation:

PVC,Phase - Brown, Black, Grey, Ground - Green/Yellow.

Inner Sheath:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 450/750V

AC test voltage: 2,500V

Conductor						Thickness of insulation		Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross sectional area		No. of wire (Min.)		Diameter (Approx.)								on cable ladder	direct burial in ground	
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground							
mm2	mm2			mm	mm	mm	mm	mm	mm	mm	km	A	A	kg/km
25	16	7	7	6.30	5.01	1.3	1.1	1.2	2.0	30.5	0.0054	88	128	1,620
35	16	7	7	7.55	5.01	1.3	1.1	1.2	2.0	33.0	0.0047	110	154	1,990
50	25	19	7	8.75	6.30	1.5	1.3	1.5	2.2	38.5	0.0046	133	181	2,730
70	35	19	7	10.50	7.55	1.5	1.3	1.5	2.2	42.5	0.0039	171	223	3,630
95	50	19	19	12.35	8.75	1.7	1.5	1.5	2.4	48.5	0.0038	207	267	4,870
120	70	37	19	13.93	10.50	1.7	1.5	1.8	2.6	53.5	0.0034	240	304	6,120
150	95	37	19	15.47	12.35	1.9	1.7	1.8	2.8	59.0	0.0034	278	342	7,610
185	95	37	19	17.29	12.35	2.1	1.7	2.0	3.0	64.5	0.0034	317	386	9,130
240	120	37	37	19.89	13.93	2.3	1.7	2.0	3.2	72.0	0.0033	374	448	11,660
300	150	61	37	22.23	15.47	2.5	1.9	2.2	3.4	79.5	0.0032	432	507	14,410



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C NYY-G

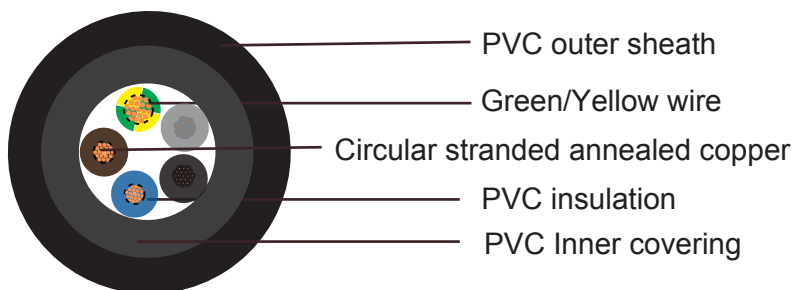
4Cores-PVC Insulated, Double PVC Sheathed Cable, Round Type With Ground

» Applications.....

Use for general purpose
laid on cable trays/Cable ladder
Install in duct in ground

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Circular stranded annealed copper.

Insulation:

PVC, Phase - Light Blue, Brown, Black, Grey, Ground - Green/Yellow.

Inner Sheath:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Conductor						Thickness of insulation		Thickness of inner sheath (Approx.)	Thickness of outer sheath	Overall diameter (Approx.)	Insulation resistance at 70 °C (Min.)	Current rating		Cable weight (Approx.)
Cross sectional area		No. of wire (Min.)		Diameter (Approx.)								on cable ladder	direct burial in ground	
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground							
mm2	mm2			mm	mm	mm	mm	mm	mm	mm	km	A	A	kg/km
25	16	7	7	6.30	5.01	1.3	1.1	1.2	2.0	34.0	0.0054	88	128	1,990
35	16	7	7	7.55	5.01	1.3	1.1	1.5	2.2	39.0	0.0047	110	154	2,570
50	25	19	7	8.75	6.30	1.5	1.3	1.5	2.2	43.5	0.0046	133	181	3,390
70	35	19	7	10.50	7.55	1.5	1.3	1.5	2.4	49.0	0.0039	171	223	4,570
95	50	19	19	12.35	8.75	1.7	1.5	1.8	2.6	56.5	0.0038	207	267	6,230
120	70	37	19	13.93	10.50	1.7	1.5	1.8	2.8	61.5	0.0034	240	304	7,700
150	95	37	19	15.47	12.35	1.9	1.7	2.0	3.0	68.0	0.0034	278	342	9,610
185	95	37	19	17.29	12.35	2.1	1.7	2.0	3.2	75.0	0.0034	317	386	11,530
240	120	37	37	19.89	13.93	2.3	1.7	2.2	3.4	84.5	0.0033	374	448	14,840
300	150	61	37	22.23	15.47	2.5	1.9	2.2	3.8	93.5	0.0032	432	507	18,340



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT

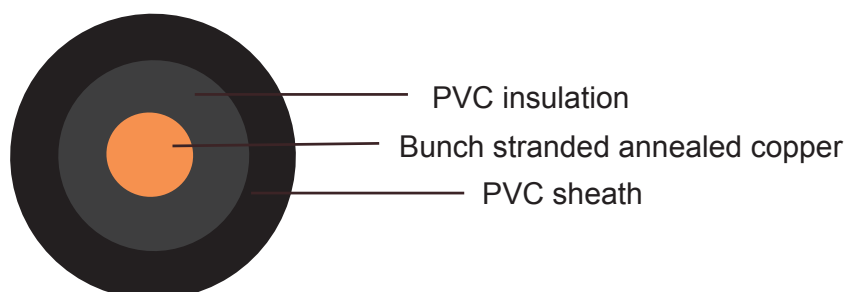
1Core-PVC Insulated, PVC Sheathed Cable, Round Type, Flexible Conductor

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Black colour.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Rated voltage: 450/750V

AC test voltage: 2,500V

Conductor			Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia. of wires(Max.)	Diameter (Approx.)						
mm ²		mm			mm	km	A	kg/km
4	0.31	2.59	0.9	1.4	8.6	0.0084	30	93
6	0.31	3.60	0.9	1.4	9.4	0.0071	39	120
10	0.41	4.79	1.1	1.8	12.0	0.0068	51	210
16	0.41	5.88	1.1	1.8	13.5	0.0050	73	280
25	0.41	7.32	1.3	2.2	16.0	0.0048	97	420
35	0.41	8.61	1.3	2.2	17.5	0.0041	140	540



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT

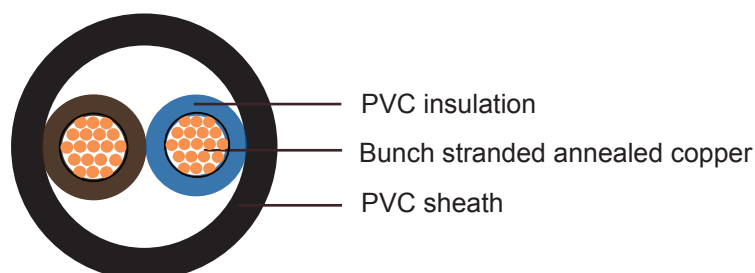
2Cores-PVC Insulated, PVC Sheathed Cable, Round Type, Flexible Conductor

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia. of wires(Max.)	Diameter (Approx.)						
mm ²		mm			mm	km	A	kg/km
4	0.31	2.59	0.9	1.6	14.5	0.0084	30	250
6	0.31	3.60	0.9	1.6	16.0	0.0071	39	340
10	0.41	4.79	1.1	1.8	20.0	0.0068	51	540
16	0.41	5.88	1.1	2.2	23.0	0.0050	73	770
25	0.41	7.32	1.3	2.4	27.5	0.0048	97	1,130
35	0.41	8.61	1.3	2.6	31.0	0.0041	140	1,470



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT

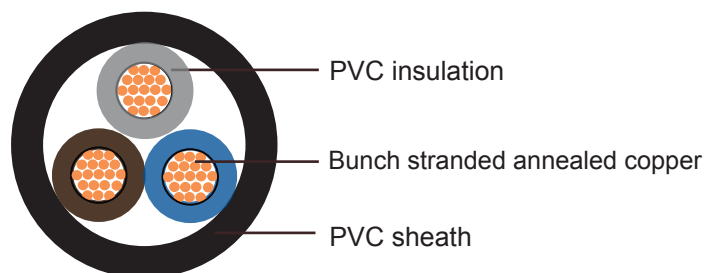
3Cores-PVC Insulated, PVC Sheathed Cable, Round Type, Flexible Conductor

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Inner Sheath:

PVC, Brown, Black, Grey.

Outer sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia. of wires(Max.)	Diameter (Approx.)						
mm ²		mm			mm	km	A	kg/km
4	0.31	2.59	0.9	1.6	15.5	0.0084	26	300
6	0.31	3.60	0.9	1.8	17.5	0.0071	34	420
10	0.41	4.79	1.1	2.0	21.5	0.0068	47	670
16	0.41	5.88	1.1	2.4	25.0	0.0050	63	960
25	0.41	7.32	1.3	2.6	30.0	0.0048	83	1,420
35	0.41	8.61	1.3	2.8	33.5	0.0041	102	1,860



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT

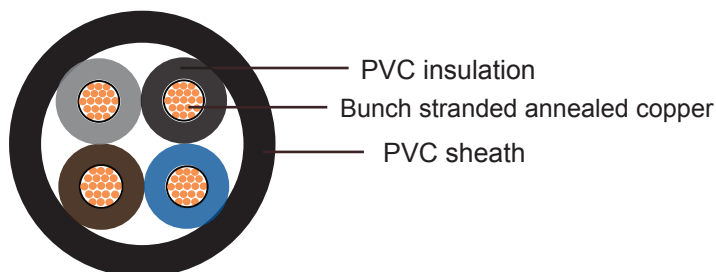
4Cores-PVC Insulated, PVC Sheathed Cable, Round Type, Flexible Conductor

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Light Blue, Brown, Black, Grey.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Conductor			Thickness of insulation	Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Cross-sectional area	Dia. of wires(Max.)	Diameter (Approx.)						
mm ²		mm			mm	km	A	kg/km
4	0.31	2.59	0.9	1.8	17.0	0.0084	26	380
6	0.31	3.60	0.9	2.0	19.5	0.0071	34	540
10	0.41	4.79	1.1	2.2	24.0	0.0068	47	860
16	0.41	5.88	1.1	2.6	28.0	0.0050	63	1,220
25	0.41	7.32	1.3	2.8	33.0	0.0048	83	1,800
35	0.41	8.61	1.3	3.1	37.0	0.0041	102	2,380



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT-G

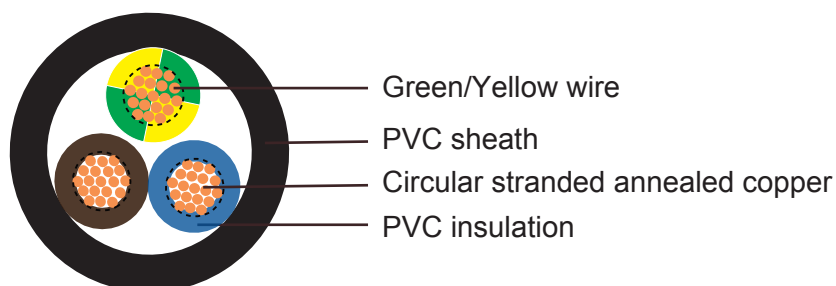
2Cores-PVC Insulated, PVC Sheathed Cable, Round Type Flexible Conductor With Ground

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Phase - Light Blue, Brown, Ground - Green/Yellow.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Cross-sectional area		Conductor Dia. of wires (Max.)		Diameter (Approx.)		Thickness of insulation		Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground					
mm ²	mm ²			mm	mm	mm	mm	mm	mm	km	A	kg/km
4	4	0.31	0.31	2.59	2.59	0.9	0.9	1.6	15.5	0.0084	30	300
6	6	0.31	0.31	3.60	3.60	0.9	0.9	1.8	17.5	0.0071	39	420
10	10	0.41	0.41	4.79	4.79	1.1	1.1	2.0	21.5	0.0068	51	670
16	16	0.41	0.41	5.88	5.88	1.1	1.1	2.4	25.0	0.0050	73	960
25	16	0.41	0.41	7.32	5.88	1.3	1.1	2.6	28.5	0.0048	97	1,290
35	16	0.41	0.41	8.61	5.88	1.3	1.1	2.8	31.5	0.0041	140	1,610



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT-G

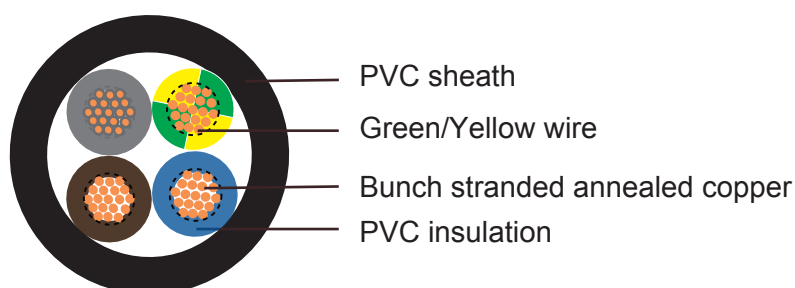
3Cores-PVC Insulated, PVC Sheathed Cable, Round Type Flexible Conductor With Ground

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Phase - Brown, Black, Grey, Ground - Green/Yellow.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C
Rated voltage: 450/750V
AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Cross-sectional area		Conductor Dia. of wires (Max.)		Diameter (Approx.)		Thickness of insulation		Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground					
mm ²	mm ²			mm	mm	mm	mm	mm	mm	km	A	kg/km
4	4	0.31	0.31	2.59	2.59	0.9	0.9	1.8	17.0	0.0084	26	380
6	6	0.31	0.31	3.60	3.60	0.9	0.9	2.0	19.5	0.0071	34	540
10	10	0.41	0.41	4.79	4.79	1.1	1.1	2.2	24.0	0.0068	47	860
16	16	0.41	0.41	5.88	5.88	1.1	1.1	2.6	28.0	0.0050	63	1,220
25	16	0.41	0.41	7.32	5.88	1.3	1.1	2.8	33.0	0.0048	83	1,670
35	16	0.41	0.41	8.61	5.88	1.3	1.1	3.1	37.0	0.0041	102	2,110



Caledonian LV Power & Control Cables

PVC Cables up to 450/750V

450/750V 70°C VCT-G

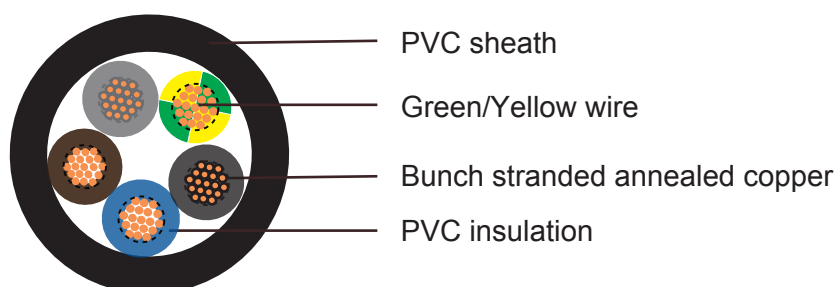
4Cores-PVC Insulated, PVC Sheathed Cable, Round Type Flexible Conductor With Ground

» Applications.....

Use for general purpose
Use for connecting electric appliance
Laid on cable trays

» Standards.....

TIS 11 Part 101-2553



» Construction.....

Conductors:

Bunch stranded annealed copper.

Insulation:

PVC, Phase - Light Blue, Brown, Black, Grey, Ground - Green/Yellow.

Sheath:

PVC, Black colour.

» Physical & Technical Characteristics.....

Maximum conductor temperature: 70°C

Rated voltage: 450/750V

AC test voltage: 2,500V

Caledonian LV Power & Control Cables

PVC Cables up to 450/750V



Cross-sectional area		Conductor Dia. of wires (Max.)		Diameter (Approx.)		Thickness of insulation		Thickness of sheath	Overall diameter (Approx.)	Insulation resistance at 70°C (Min.)	Current rating in free air	Cable weight (Approx.)
Phase	Ground	Phase	Ground	Phase	Ground	Phase	Ground					
mm ²	mm ²			mm	mm	mm	mm	mm	mm	km	A	kg/km
4	4	0.31	0.31	2.59	2.59	0.9	0.9	1.8	18.5	0.0084	26	460
6	6	0.31	0.31	3.60	3.60	0.9	0.9	2.0	21.5	0.0071	34	650
10	10	0.41	0.41	4.79	4.79	1.1	1.1	2.2	26.5	0.0068	47	1,030
16	16	0.41	0.41	5.88	5.88	1.1	1.1	2.6	30.5	0.0050	63	1,480
25	16	0.41	0.41	7.32	5.88	1.3	1.1	2.8	36.5	0.0048	83	2,050
35	16	0.41	0.41	8.61	5.88	1.3	1.1	3.1	41.5	0.0041	102	2,630

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