

LOW VOLTAGE

Cables up to 1kV

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Company Introduction

Hengtong Cable Australia is part of the Hengtong Group of companies. Founded in 1991, Hengtong Group is an international company with a diverse range of areas covering, Optical Fibre, Power, Marine and Offshore Cable, EPC Turnkey service and maintenance, as well as internet of things, big data and e-commerce, emerging materials and new energy.

Hengtong Group has 70 wholly-owned companies and holding companies (some are listed on various Stock Exchanges: Shanghai, Hong Kong and Indonesia) with 9 manufacturing facilities based in Europe, South America, South Africa, South Asia and Southeast Asia. as well as sales offices in over 40 countries and regions around the world supplying products to over 150 countries.

Hengtong Group is the largest Optical Fibre and Power Cable manufacturer in China and the second largest in the world. It is also in the top 2 largest Optical Fibre communication producers. Hengtong is implementing and transforming to intelligent manufacturing, to make it the most advanced cable manufacturer in the world.

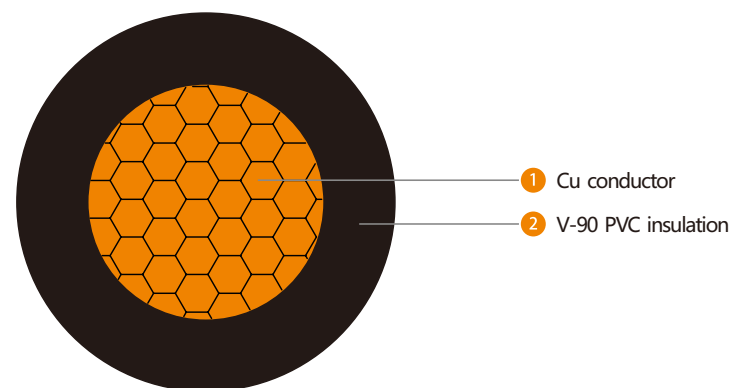
Hengtong High Voltage Park, lays claim to the tallest VCV tower in the world, standing at an incredible 180m high. It currently houses 6 TROESTER VCV extruders.

Committing to innovation and social responsibility is at the heart of Hengtong. Hengtong has donated more than 700M RMB to local charities.

Hengtong Group has an annual turnover of AUD \$24 Billion and employs some 20,000 people. Hengtong Group has a factory area of 200,000,000m² in China and 400,000m² internationally thus allowing Hengtong Cable Australia the ability to supply projects of any size and type.



PVC Insulated Building Wire



- 1 Cu conductor
- 2 V-90 PVC insulation

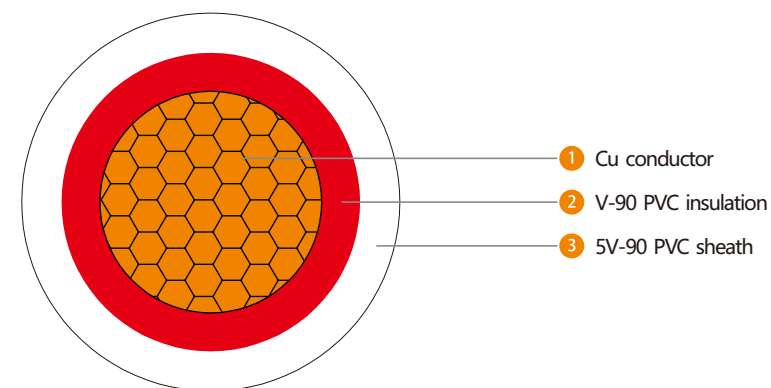
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1
The color of insulation could be black, blue, red, white, green/yellow or customer's requirements	

Structural Parameters:

Nominal conductor area	Approx. diameter of conductor	Conductor type	Nominal thickness of insulation	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm		mm	mm	kg/km
1.5	1.5	Stranded Cu	0.8	5.3	22
2.5	2.0	Stranded Cu	0.8	5.8	32
4	2.5	Stranded Cu	1.0	6.7	51
6	3.1	Stranded Cu	1.0	7.3	71
10	3.8	Compact Cu	1.0	8.0	111
16	4.8	Compact Cu	1.0	9.0	167
25	6.0	Compact Cu	1.2	10.6	260
35	7.0	Compact Cu	1.2	11.6	351
50	8.1	Compact Cu	1.4	13.1	475
70	9.9	Compact Cu	1.4	14.9	671
95	11.5	Compact Cu	1.6	16.9	923
120	12.9	Compact Cu	1.6	18.3	1150
150	14.4	Compact Cu	1.8	20.2	1421
185	16.1	Compact Cu	2.0	22.3	1777
240	18.4	Compact Cu	2.2	25.0	2325
300	20.6	Compact Cu	2.4	27.6	2909
400	23.4	Compact Cu	2.6	30.8	3707
500	26.2	Compact Cu	2.8	34.0	4734
630	29.8	Compact Cu	2.8	37.6	6060

PVC/PVC SDI



- 1 Cu conductor
- 2 V-90 PVC insulation
- 3 5V-90 PVC sheath

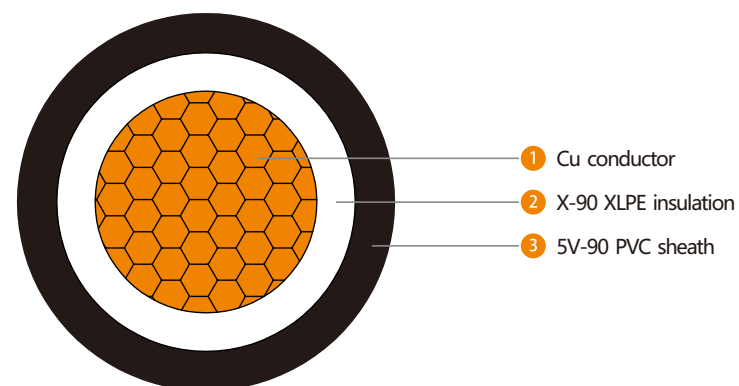
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1
Other color options are black insulation/white sheath, red insulation/black sheath	

Structural Parameters:

Nominal conductor area	Approx. diameter of conductor	Conductor type	Nominal thickness of insulation	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm		mm	mm	mm	kg/km
1.5	1.5	Stranded Cu	0.8	1.4	8.1	52
2.5	2.0	Stranded Cu	0.8	1.4	8.6	65
4	2.5	Stranded Cu	1.0	1.4	9.5	90
6	3.1	Stranded Cu	1.0	1.4	10.1	114
10	3.8	Compact Cu	1.0	1.4	10.8	159
16	4.8	Compact Cu	1.0	1.4	11.8	221
25	6.0	Compact Cu	1.2	1.4	13.4	324
35	7.0	Compact Cu	1.2	1.4	14.4	421
50	8.1	Compact Cu	1.4	1.4	15.9	555
70	9.9	Compact Cu	1.4	1.4	17.8	764
95	11.5	Compact Cu	1.6	1.5	19.9	1035
120	12.9	Compact Cu	1.6	1.5	21.4	1275
150	14.4	Compact Cu	1.8	1.6	23.4	1566
185	16.1	Compact Cu	2.0	1.7	25.7	1944
240	18.4	Compact Cu	2.2	1.8	28.5	2524
300	20.6	Compact Cu	2.4	1.9	31.3	3141
400	23.4	Compact Cu	2.6	2.0	34.7	3983
500	26.2	Compact Cu	2.8	2.1	38.2	5057
630	29.8	Compact Cu	2.8	2.2	42.0	6437

XLPE/PVC SDI (Cu)



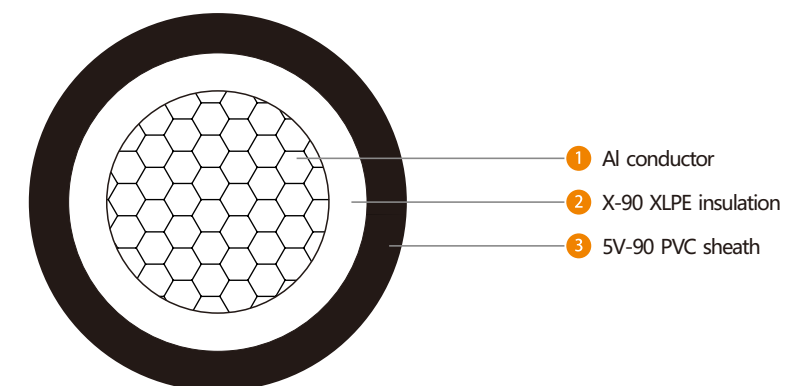
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Approx. diameter of conductor	Conductor type	Nominal thickness of insulation	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm		mm	mm	mm	kg/km
1.5	1.5	Stranded Cu	0.7	1.4	7.9	47
2.5	2.0	Stranded Cu	0.7	1.4	8.4	59
4	2.5	Stranded Cu	0.7	1.4	8.9	77
6	3.1	Stranded Cu	0.7	1.4	9.5	99
10	3.8	Compact Cu	0.7	1.4	10.2	142
16	4.8	Compact Cu	0.7	1.4	11.2	202
25	6.0	Compact Cu	0.9	1.4	12.8	299
35	7.0	Compact Cu	0.9	1.4	13.8	393
50	8.1	Compact Cu	1.0	1.4	15.1	516
70	9.9	Compact Cu	1.1	1.4	17.1	722
95	11.5	Compact Cu	1.1	1.5	18.8	970
120	12.9	Compact Cu	1.2	1.5	20.5	1211
150	14.4	Compact Cu	1.4	1.6	22.6	1489
185	16.1	Compact Cu	1.6	1.6	24.8	1852
240	18.4	Compact Cu	1.7	1.7	27.5	2404
300	20.6	Compact Cu	1.8	1.8	30.0	2990
400	23.4	Compact Cu	2.0	1.9	33.5	3805
500	26.2	Compact Cu	2.2	2.0	36.9	4850
630	29.8	Compact Cu	2.4	2.2	41.1	6231

XLPE/PVC SDI (Al)



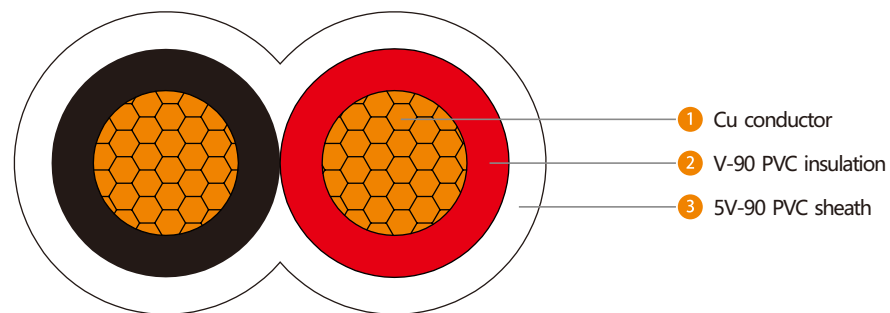
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Approx. diameter of conductor	Conductor type	Nominal thickness of insulation	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm		mm	mm	mm	kg/km
10	3.9	Stranded Al	0.7	1.4	10.3	79
16	5.0	Stranded Al	0.7	1.4	11.4	104
25	6.0	Compact Al	0.9	1.4	12.8	145
35	7.0	Compact Al	0.9	1.4	13.8	179
50	8.1	Compact Al	1.0	1.4	15.1	226
70	9.8	Compact Al	1.1	1.4	17.0	303
95	11.4	Compact Al	1.1	1.5	18.7	393
120	12.9	Compact Al	1.2	1.5	20.5	484
150	14.4	Compact Al	1.4	1.6	22.6	591
185	16.0	Compact Al	1.6	1.6	24.7	729
240	18.4	Compact Al	1.7	1.7	27.5	929
300	20.6	Compact Al	1.8	1.8	30.0	1136
400	23.4	Compact Al	2.0	1.9	33.5	1440
500	26.2	Compact Al	2.2	2.0	36.9	1814
630	29.8	Compact Al	2.4	2.2	41.1	2301

PVC Flat 2 Core



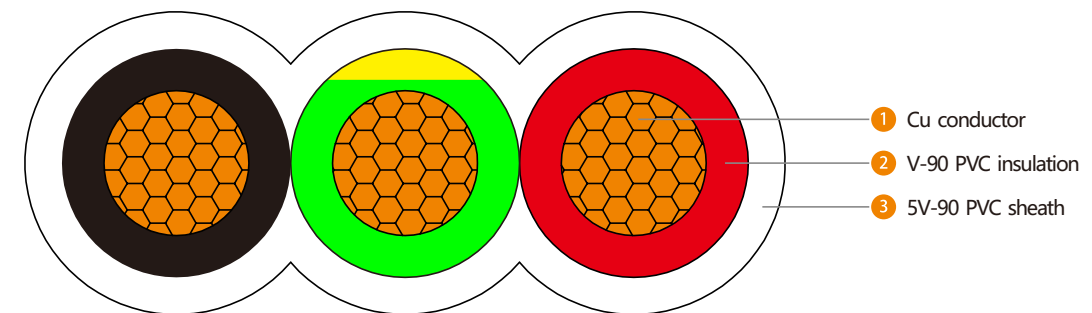
Properties:

Rated voltage	450/750V
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.2
Can be supplied with a black sheath	

Structural Parameters:

Nominal conductor area mm ²	Number of cores	Approx. diameter of conductor mm	Conductor type	Nominal thickness of insulation mm	Nominal thickness of outer sheath mm	Approx. overall diameter of cable mm	Approx. weight of cable kg/km
1	2	1.3	Stranded Cu	0.6	0.9	4.5*7.1	51
1.5	2	1.5	Stranded Cu	0.6	0.9	4.7*7.7	64
2.5	2	2.0	Stranded Cu	0.7	1.0	5.6*9.2	94
4	2	2.5	Stranded Cu	0.8	1.1	6.5*10.8	137
6	2	3.1	Stranded Cu	0.8	1.1	7.1*11.9	180
10	2	4.1	Compact Cu	1.0	1.2	8.7*14.9	290
16	2	5.1	Compact Cu	1.0	1.3	9.9*17.2	421

PVC Flat 2 Core & Earth



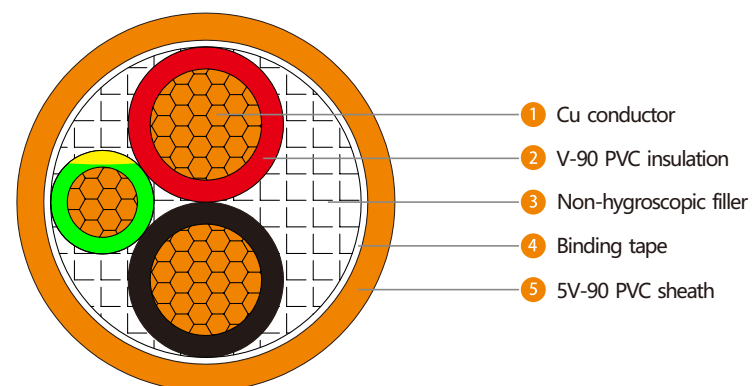
Properties:

Rated voltage	450/750V
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.2
Can be supplied with a black sheath	

Structural Parameters:

Nominal conductor area mm ²	Number of cores	Nominal earth conductor area mm ²	Approx. diameter of phase conductor mm	Conductor type	Approx. diameter of earth conductor mm	Conductor type	Nominal thickness of insulation mm	Nominal thickness of outer sheath mm	Approx. overall diameter of cable mm	Approx. weight of cable kg/km
1	3	1	1.3	Stranded Cu	1.3	Stranded Cu	0.6	0.9	4.5*9.8	73
1.5	3	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.6	0.9	4.7*10.6	91
2.5	3	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	1.0	5.6*12.7	136
4	3	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.8	1.1	6.5*14.4	180
6	3	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.8	1.1	7.1*15.5	223
10	3	4	4.1	Compact Cu	2.5	Stranded Cu	1.0	1.2	8.7*19.2	354
16	3	6	5.1	Compact Cu	3.1	Stranded Cu	1.0	1.3	9.9*22.1	507

PVC/PVC Circular 2 Core & Earth



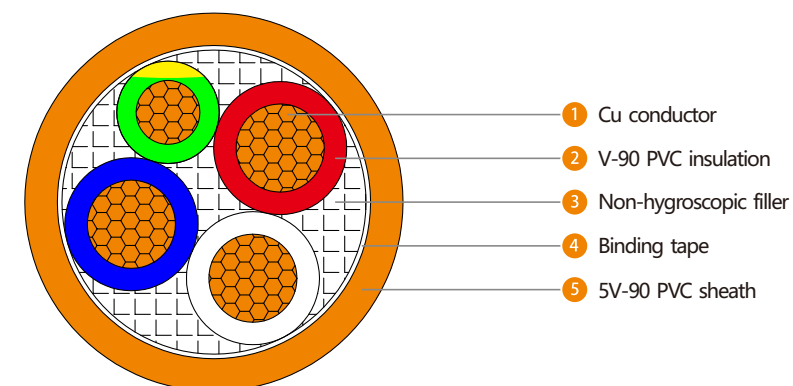
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	1.8	13.1	155
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	1.8	14.2	199
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	15.6	254
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	16.7	307
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	1.8	18.2	427
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	1.8	20.1	584
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	1.8	23.2	816
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	1.8	25.2	1069
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	1.8	28.2	1421
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	1.9	31.9	1976
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	2.0	36.4	2578
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	2.1	39.8	3229
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	2.2	43.8	4007
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	2.4	48.5	5047
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	2.5	54.5	6586
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	2.7	60.3	8182
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	2.9	68.0	10064

PVC/PVC Circular 3 Core & Earth



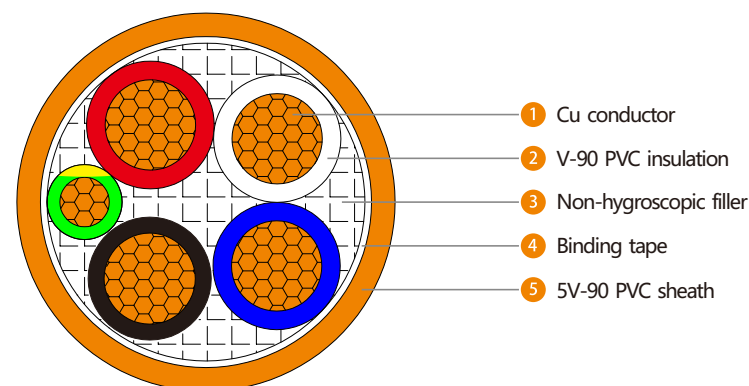
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	1.8	14.0	186
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	1.8	15.2	241
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	16.9	319
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	18.0	393
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	1.8	19.8	556
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	1.8	22.0	773
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	1.8	25.0	1099
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	1.8	27.3	1447
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	1.8	30.7	1933
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	1.9	35.1	2704
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	2.1	39.7	3594
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	2.2	43.1	4455
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	2.3	48.0	5526
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	2.5	53.4	6948
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	2.7	60.3	9070
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	2.9	66.6	11281
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	3.1	73.6	13972

PVC/PVC Circular 4 Core & Earth



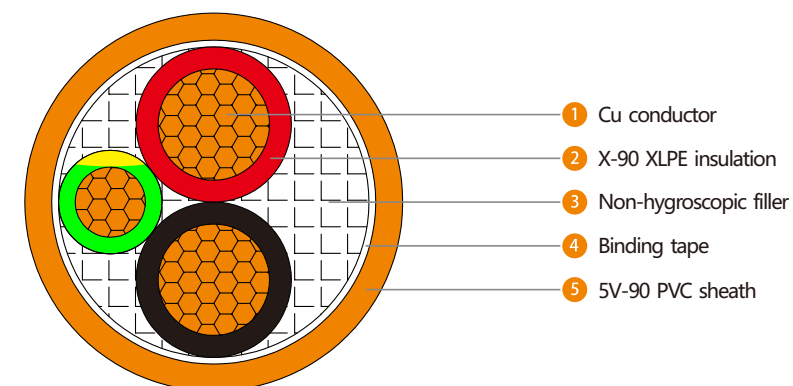
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	1.8	14.9	218
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	1.8	16.3	286
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	18.2	387
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	1.8	19.6	484
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	1.8	21.6	690
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	1.8	24.1	968
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	1.8	27.6	1397
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	1.8	30.1	1842
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	1.9	34.2	2480
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	2.1	39.6	3499
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	2.2	44.5	4640
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	2.4	48.5	5750
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	2.5	54.0	7124
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	2.7	60.2	8940
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	2.9	67.9	11667
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	3.1	75.1	14520
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	3.4	83.1	18089

XLPE/PVC Circular 2 Core & Earth



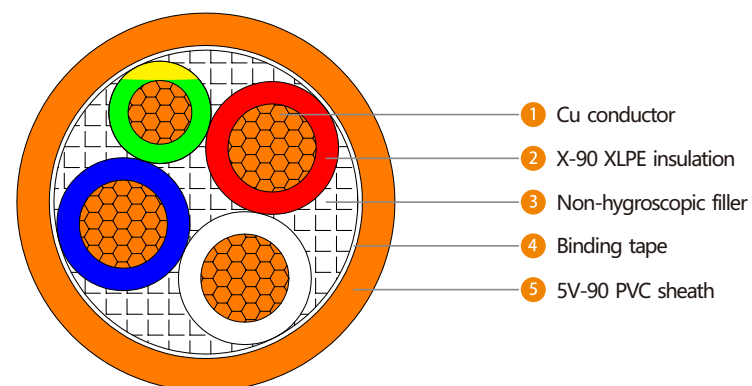
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	1.8	12.7	139
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	13.8	179
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	14.5	218
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	15.5	267
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	1.8	16.9	376
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	1.8	18.9	526
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	1.8	22.1	745
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	1.8	24.1	989
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	1.8	26.6	1312
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	1.8	30.6	1853
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	1.9	34.2	2397
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	2.0	38.1	3047
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	2.2	42.1	3787
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	2.3	46.7	4791
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	2.5	52.3	6243
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	2.6	57.6	7760
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	2.9	65.4	9580

XLPE/PVC Circular 3 Core & Earth



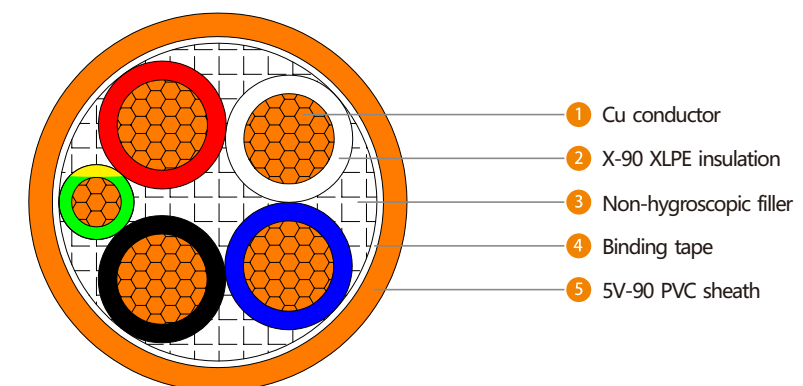
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	1.8	13.5	165
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	14.7	216
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	15.6	271
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	16.8	340
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	1.8	18.3	490
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	1.8	20.5	697
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	1.8	23.6	1003
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	1.8	25.9	1340
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	1.8	28.8	1783
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	1.9	33.6	2538
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	2.0	37.3	3348
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	2.1	41.1	4209
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	2.3	45.9	5227
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	2.4	51.4	6600
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	2.6	57.6	8604
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	2.8	63.6	10710
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	3.0	70.6	13312

XLPE/PVC Circular 4 Core & Earth



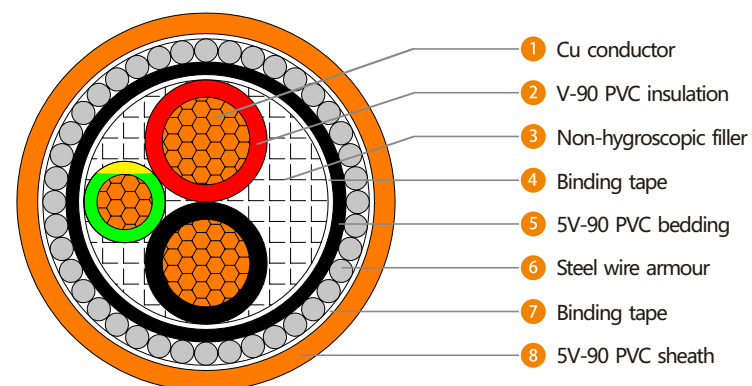
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	1.8	14.4	193
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	15.7	256
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	16.8	327
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	1.8	18.1	417
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	1.8	19.9	609
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	1.8	22.4	874
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	1.8	26.0	1276
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	1.8	28.5	1707
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	1.9	32.0	2282
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	2.0	37.9	3288
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	2.1	41.7	4325
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	2.3	46.2	5435
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	2.4	51.6	6743
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	2.6	57.9	8494
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	2.8	64.9	11071
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	3.0	71.7	13786
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	3.3	79.7	17234

PVC/PVC/SWA/PVC Circular 2 Core & Earth



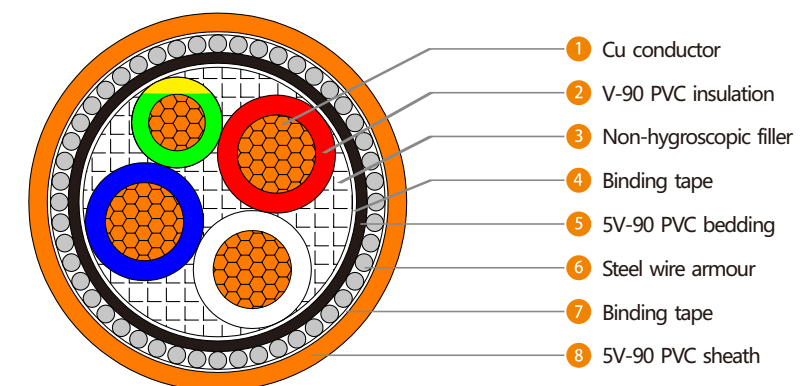
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Approx. overall diameter of cable	Approx. weight of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	9.5	11.1	1.8	17.1	379
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	10.6	12.2	1.8	18.2	445
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	12.0	13.6	1.8	19.6	534
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	13.1	15.6	1.8	22.0	740
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	14.6	17.1	1.8	23.5	910
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	16.5	19.0	1.8	25.5	1121
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	19.6	22.8	1.8	29.3	1593
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	21.6	24.8	1.8	31.3	1909
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	24.6	27.8	1.9	34.5	2395
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	28.2	32.2	2.0	39.1	3311
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	32.8	36.8	2.2	44.1	4177
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	36.0	40.0	2.3	47.7	4962
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	39.7	44.7	2.4	52.9	6302
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	44.2	49.2	2.6	58.0	7647
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	49.6	54.6	2.8	64.1	9535
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	55.2	60.2	2.9	70.2	11467
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	62.1	67.1	3.2	78.1	13774

PVC/PVC/SWA/PVC Circular 3 Core & Earth



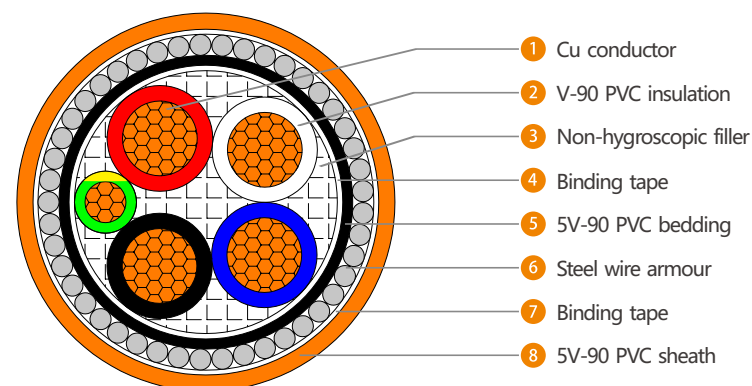
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Max. diameter of cable	Approx. mass of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	10.4	12.0	1.8	18.0	431
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	11.6	13.2	1.8	19.2	509
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	13.3	15.8	1.8	22.2	763
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	14.4	16.9	1.8	23.3	865
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	16.2	18.7	1.8	25.1	1079
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	18.4	21.6	1.8	28.0	1492
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	21.4	24.6	1.8	31.1	1937
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	23.7	26.9	1.8	33.3	2367
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	27.0	30.2	2.0	37.1	3003
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	31.7	35.7	2.1	42.7	4229
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	35.9	39.9	2.2	47.4	5309
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	39.1	43.1	2.4	57.5	6962
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	43.8	48.8	2.5	57.4	8102
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	48.7	53.7	2.7	63.0	9832
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	55.2	60.2	2.9	70.2	12359
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	60.9	65.9	3.1	76.6	14926
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	67.1	73.4	3.4	85.5	18930

PVC/PVC/SWA/PVC Circular 4 Core & Earth



- 1 Cu conductor
- 2 V-90 PVC insulation
- 3 Non-hygroscopic filler
- 4 Binding tape
- 5 5V-90 PVC bedding
- 6 Steel wire armour
- 7 Binding tape
- 8 5V-90 PVC sheath

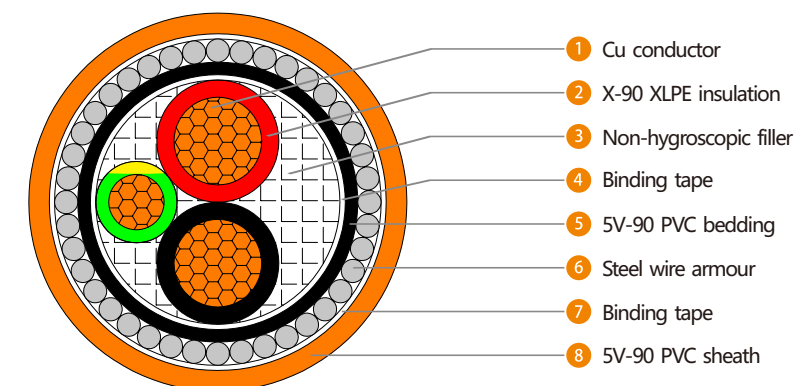
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Max. diameter of cable	Approx. mass of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.8	0.8	11.3	12.9	1.8	19.0	481
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.8	0.8	12.7	14.3	1.8	20.3	577
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	1.0	0.8	14.6	17.1	1.8	23.6	870
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	1.0	0.8	16.0	18.5	1.8	24.9	1006
10	4	3.8	Compact Cu	2.5	Stranded Cu	1.0	1.0	18.0	21.2	1.8	27.6	1390
16	6	4.8	Compact Cu	3.1	Stranded Cu	1.0	1.0	20.5	23.7	1.8	30.1	1767
25	6	6.0	Compact Cu	3.1	Stranded Cu	1.2	1.0	24.0	27.2	1.8	33.6	2335
35	10	7.0	Compact Cu	3.8	Compact Cu	1.2	1.0	26.5	29.7	1.9	36.4	2879
50	16	8.1	Compact Cu	4.8	Compact Cu	1.4	1.0	30.7	34.7	2.1	41.8	3973
70	25	9.9	Compact Cu	6.0	Compact Cu	1.4	1.2	35.9	39.9	2.2	47.4	5214
95	25	11.5	Compact Cu	6.0	Compact Cu	1.6	1.2	40.3	45.3	2.4	53.5	6980
120	35	12.9	Compact Cu	7.0	Compact Cu	1.6	1.2	44.3	49.3	2.6	58.1	8392
150	50	14.4	Compact Cu	8.1	Compact Cu	1.8	1.4	49.2	54.2	2.7	63.5	10004
185	70	16.1	Compact Cu	9.9	Compact Cu	2.0	1.4	55.1	60.1	2.9	70.1	12228
240	95	18.4	Compact Cu	11.5	Compact Cu	2.2	1.6	62.1	67.1	3.1	77.8	15349
300	120	20.6	Compact Cu	12.9	Compact Cu	2.4	1.6	68.9	75.2	3.4	87.4	19683
400	120	23.4	Compact Cu	12.9	Compact Cu	2.6	1.6	76.0	82.3	3.7	95.5	23755

XLPE/PVC/SWA/PVC Circular 2 Core & Earth



- 1 Cu conductor
- 2 X-90 XLPE insulation
- 3 Non-hygroscopic filler
- 4 Binding tape
- 5 5V-90 PVC bedding
- 6 Steel wire armour
- 7 Binding tape
- 8 5V-90 PVC sheath

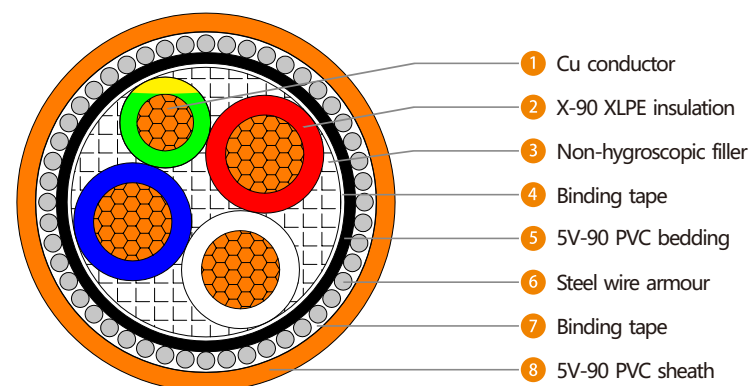
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Max. diameter of cable	Approx. mass of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	9.1	10.7	1.8	16.7	356
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	10.2	11.8	1.8	17.8	419
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	10.9	12.5	1.8	18.5	474
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	11.9	13.5	1.8	19.5	541
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	13.3	15.8	1.8	22.3	820
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	15.3	17.8	1.8	24.2	1024
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	18.5	21.7	1.8	28.1	1465
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	20.5	23.7	1.8	30.1	1789
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	23.0	26.2	1.8	32.7	2211
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	27.0	30.2	2.0	37.1	2925
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	30.8	34.8	2.1	41.8	3892
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	34.4	38.4	2.2	45.8	4704
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	38.2	42.2	2.3	50.0	5630
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	42.6	47.6	2.5	56.2	7323
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	47.6	52.6	2.7	61.8	9040
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	52.8	57.8	2.8	67.5	10932
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	59.7	64.7	3.1	75.4	13175

XLPE/PVC/SWA/PVC Circular 3 Core & Earth



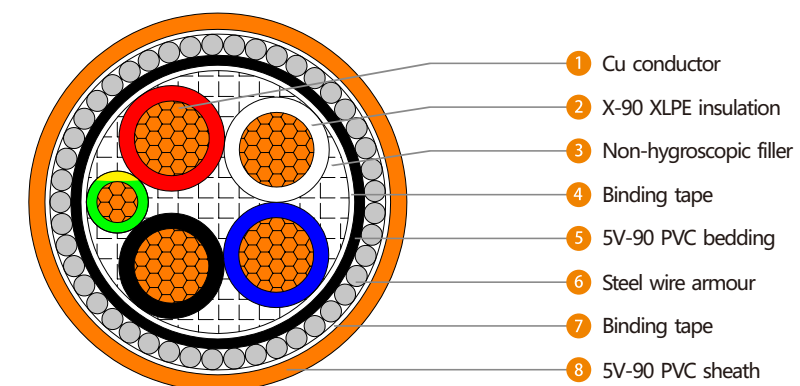
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Max. diameter of cable	Approx. mass of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	9.9	11.5	1.8	17.5	399
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	11.1	12.7	1.8	18.7	474
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	12.0	13.6	1.8	19.6	550
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	13.2	15.7	1.8	22.1	773
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	14.7	17.2	1.8	23.7	974
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	16.9	19.4	1.8	25.9	1245
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	20.0	23.2	1.8	29.7	1783
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	22.3	25.5	1.8	31.9	2201
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	25.2	28.4	1.9	35.1	2777
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	30.2	34.2	2.1	41.3	4008
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	33.7	37.7	2.2	45.1	4980
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	37.3	41.3	2.3	55.4	6588
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	41.9	46.9	2.5	55.4	7717
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	46.9	51.9	2.6	60.8	9373
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	52.9	57.9	2.8	67.5	11778
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	58.2	63.2	3.0	73.6	14198
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	64.4	69.4	3.2	80.5	17149

XLPE/PVC/SWA/PVC Circular 4 Core & Earth



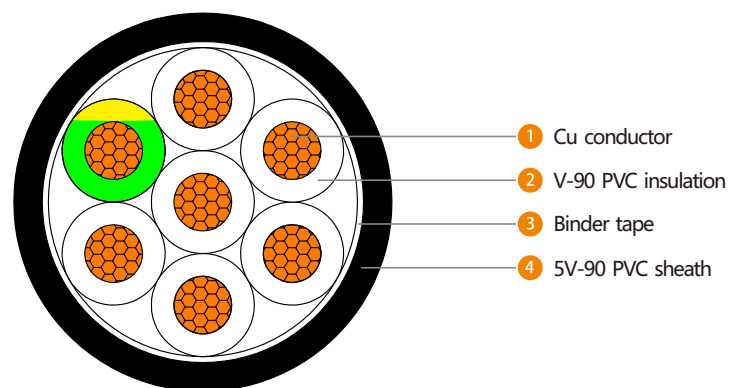
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	250°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1

Structural Parameters:

Nominal conductor area	Nominal earth conductor area	Approx. diameter of phase conductor	Conductor Type	Approx. diameter of earth conductor	Conductor Type	Nominal thickness of insulation of phase conductor	Nominal thickness of insulation of earth conductor	Nominal diameter over bedding	Nominal diameter over armour	Nominal thickness of outer sheath	Max. diameter of cable	Approx. mass of cable
mm ²	mm ²	mm		mm		mm	mm	mm	mm	mm	mm	kg/km
1.5	1.5	1.5	Stranded Cu	1.5	Stranded Cu	0.7	0.7	10.8	12.4	1.8	18.4	444
2.5	2.5	2.0	Stranded Cu	2.0	Stranded Cu	0.7	0.7	12.1	13.7	1.8	19.8	536
4	2.5	2.5	Stranded Cu	2.0	Stranded Cu	0.7	0.7	13.2	15.7	1.8	22.2	771
6	2.5	3.1	Stranded Cu	2.0	Stranded Cu	0.7	0.7	14.5	17.0	1.8	23.5	899
10	4	3.8	Compact Cu	2.5	Stranded Cu	0.7	0.7	16.3	18.8	1.8	25.3	1143
16	6	4.8	Compact Cu	3.1	Stranded Cu	0.7	0.7	18.8	22.0	1.8	28.5	1613
25	6	6.0	Compact Cu	3.1	Stranded Cu	0.9	0.7	22.4	25.6	1.8	32.0	2154
35	10	7.0	Compact Cu	3.8	Compact Cu	0.9	0.7	24.9	28.1	1.9	34.8	2683
50	16	8.1	Compact Cu	4.8	Compact Cu	1.0	0.7	28.3	32.3	2.0	39.1	3616
70	25	9.9	Compact Cu	6.0	Compact Cu	1.1	0.9	34.3	38.3	2.2	45.7	4947
95	25	11.5	Compact Cu	6.0	Compact Cu	1.1	0.9	37.8	41.8	2.3	49.6	6143
120	35	12.9	Compact Cu	7.0	Compact Cu	1.2	0.9	42.2	47.2	2.5	55.7	7925
150	50	14.4	Compact Cu	8.1	Compact Cu	1.4	1.0	47.1	52.1	2.7	61.2	9538
185	70	16.1	Compact Cu	9.9	Compact Cu	1.6	1.1	53.1	58.1	2.8	67.7	11668
240	95	18.4	Compact Cu	11.5	Compact Cu	1.7	1.1	59.4	64.4	3.0	74.8	14598
300	120	20.6	Compact Cu	12.9	Compact Cu	1.8	1.2	65.4	70.4	3.2	81.6	17669
400	120	23.4	Compact Cu	12.9	Compact Cu	2.0	1.2	72.9	79.2	3.6	92.1	22666

PVC/PVC Control



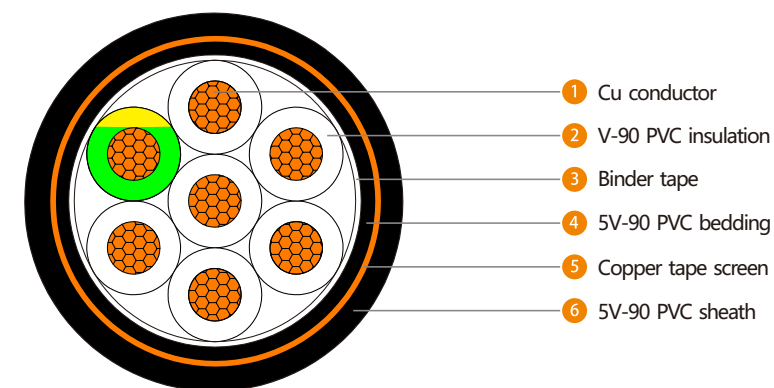
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1
450/750V rated cables to AS/NZS 5000.3 available on request.	

Structural Parameters:

No of cores & Cross-section area	Approx. diameter of conductor mm	Conductor type	Nominal thickness of insulation mm	Nominal thickness of outer sheath mm	Max. diameter of cable mm	Approx. mass of cable kg/km
1.5mm ²						
5+E	1.5	Stranded Cu	0.8	1.8	15.9	246
6+E	1.5	Stranded Cu	0.8	1.8	15.9	263
8+E	1.5	Stranded Cu	0.8	1.8	18.6	331
10+E	1.5	Stranded Cu	0.8	1.8	19.2	381
12+E	1.5	Stranded Cu	0.8	1.8	20.6	438
15+E	1.5	Stranded Cu	0.8	1.8	21.5	515
16+E	1.5	Stranded Cu	0.8	1.8	22.5	549
20+E	1.5	Stranded Cu	0.8	1.8	23.6	642
25+E	1.5	Stranded Cu	0.8	1.8	25.8	772
30+E	1.5	Stranded Cu	0.8	1.8	28.1	907
36+E	1.5	Stranded Cu	0.8	1.8	29.1	1045
40+E	1.5	Stranded Cu	0.8	1.8	31.3	1154
50+E	1.5	Stranded Cu	0.8	1.9	33.9	1409
2.5mm ²						
5+E	2.0	Stranded Cu	0.8	1.8	17.4	324
6+E	2.0	Stranded Cu	0.8	1.8	17.4	349
8+E	2.0	Stranded Cu	0.8	1.8	20.5	442
10+E	2.0	Stranded Cu	0.8	1.8	21.2	514
12+E	2.0	Stranded Cu	0.8	1.8	22.8	595
15+E	2.0	Stranded Cu	0.8	1.8	23.9	705
16+E	2.0	Stranded Cu	0.8	1.8	25.0	751
20+E	2.0	Stranded Cu	0.8	1.8	26.3	886
25+E	2.0	Stranded Cu	0.8	1.8	28.8	1072
30+E	2.0	Stranded Cu	0.8	1.8	31.5	1262
36+E	2.0	Stranded Cu	0.8	1.8	32.7	1469
40+E	2.0	Stranded Cu	0.8	1.9	35.4	1635
50+E	2.0	Stranded Cu	0.8	2.0	38.8	2033

PVC/PVC/CTS/PVC Control



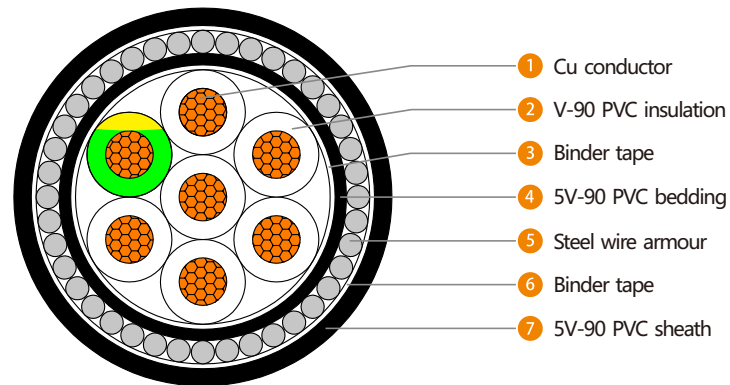
Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1
450/750V rated cables to AS/NZS 5000.3 available on request.	

Structural Parameters:

No of cores & Cross-section area	Approx. diameter of conductor mm	Conductor type	Nominal thickness of insulation mm	Nominal thickness of copper tape mm	Nominal thickness of outer sheath mm	Max. diameter of cable mm	Approx. mass of cable kg/km
1.5mm ²							
5+E	1.5	Stranded Cu	0.8	0.076	1.8	18.2	353
6+E	1.5	Stranded Cu	0.8	0.076	1.8	18.2	369
8+E	1.5	Stranded Cu	0.8	0.076	1.8	20.8	457
10+E	1.5	Stranded Cu	0.8	0.076	1.8	21.5	513
12+E	1.5	Stranded Cu	0.8	0.076	1.8	22.8	580
15+E	1.5	Stranded Cu	0.8	0.076	1.8	23.8	664
16+E	1.5	Stranded Cu	0.8	0.076	1.8	24.8	705
20+E	1.5	Stranded Cu	0.8	0.076	1.8	25.8	806
25+E	1.5	Stranded Cu	0.8	0.076	1.8	28.1	954
30+E	1.5	Stranded Cu	0.8	0.076	1.8	30.4	1105
36+E	1.5	Stranded Cu	0.8	0.076	1.8	31.4	1252
40+E	1.5	Stranded Cu	0.8	0.076	1.9	33.8	1391
50+E	1.5	Stranded Cu	0.8	0.076	1.9	36.6	1686
2.5mm ²							
5+E	2.0	Stranded Cu	0.8	0.076	1.8	19.7	442
6+E	2.0	Stranded Cu	0.8	0.076	1.8	19.7	468
8+E	2.0	Stranded Cu	0.8	0.076	1.8	22.7	583
10+E	2.0	Stranded Cu	0.8	0.076	1.8	23.5	661
12+E	2.0	Stranded Cu	0.8	0.076	1.8	25.0	753
15+E	2.0	Stranded Cu	0.8	0.076	1.8	26.1	872
16+E	2.0	Stranded Cu	0.8	0.076	1.8	27.3	927
20+E	2.0	Stranded Cu	0.8	0.076	1.8	28.5	1071
25+E	2.0	Stranded Cu	0.8	0.076	1.8	31.1	1276
30+E	2.0	Stranded Cu	0.8	0.076	1.8	33.7	1487
36+E	2.0	Stranded Cu	0.8	0.076	1.9	35.1	1712
40+E	2.0	Stranded Cu	0.8	0.076	2.0	38.2	1936
50+E	2.0	Stranded Cu	0.8	0.076	2.1	41.6	2366

PVC/PVC/SWA/PVC Control



Properties:

Rated voltage	0.6/1kV
Max. operating temperature of conductor:	90°C
Max. short-circuit operation temperature of conductor (5s Max. duration):	160°C
Min. temperature for installing without preheating:	+0°C
Standard	AS/NZS 5000.1
450/750V rated cables to AS/NZS 5000.3 available on request.	

Structural Parameters:

No of cores & Cross-section area	Approx. diameter of conductor mm	Conductor type	Nominal thickness of insulation mm	Nominal diameter over bedding mm	Nominal diameter over armour mm	Nominal thickness of outer sheath mm	Max. diameter of cable mm	Approx. mass of cable kg/km
1.5mm ²								
5+E	1.5	Stranded Cu	0.8	12.3	13.9	1.8	19.9	531
6+E	1.5	Stranded Cu	0.8	12.3	13.9	1.8	19.9	548
8+E	1.5	Stranded Cu	0.8	15.0	17.5	1.8	23.9	826
10+E	1.5	Stranded Cu	0.8	15.6	18.1	1.8	24.6	891
12+E	1.5	Stranded Cu	0.8	17.0	19.5	1.8	25.9	987
15+E	1.5	Stranded Cu	0.8	17.9	20.4	1.8	26.9	1101
16+E	1.5	Stranded Cu	0.8	18.9	22.1	1.8	28.6	1288
20+E	1.5	Stranded Cu	0.8	20.0	23.2	1.8	29.6	1421
25+E	1.5	Stranded Cu	0.8	22.2	25.4	1.8	31.9	1633
30+E	1.5	Stranded Cu	0.8	24.5	27.7	1.8	34.2	1865
36+E	1.5	Stranded Cu	0.8	25.5	28.7	1.9	35.4	2042
40+E	1.5	Stranded Cu	0.8	27.7	30.9	1.9	37.6	2232
50+E	1.5	Stranded Cu	0.8	30.6	34.6	2.1	41.6	2882
2.5mm ²								
5+E	2.0	Stranded Cu	0.8	13.8	16.3	1.8	22.8	782
6+E	2.0	Stranded Cu	0.8	13.8	16.3	1.8	22.8	807
8+E	2.0	Stranded Cu	0.8	16.9	19.4	1.8	25.8	990
10+E	2.0	Stranded Cu	0.8	17.6	20.1	1.8	26.6	1088
12+E	2.0	Stranded Cu	0.8	19.2	22.4	1.8	28.8	1352
15+E	2.0	Stranded Cu	0.8	20.3	23.5	1.8	29.9	1503
16+E	2.0	Stranded Cu	0.8	21.4	24.6	1.8	31.1	1590
20+E	2.0	Stranded Cu	0.8	22.7	25.9	1.8	32.3	1766
25+E	2.0	Stranded Cu	0.8	25.2	28.4	1.9	35.1	2067
30+E	2.0	Stranded Cu	0.8	27.9	31.1	1.9	37.7	2359
36+E	2.0	Stranded Cu	0.8	29.0	32.2	2.0	39.1	2619
40+E	2.0	Stranded Cu	0.8	32.0	36.0	2.1	43.1	3168
50+E	2.0	Stranded Cu	0.8	35.2	39.2	2.2	46.7	3728

Current Ratings 2 Single Core (Cu) PVC/PVC

Nominal conductor area mm ²	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts		Single phase voltage drop (@50Hz, 75°C) mV/A.m
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation				
1.5											28.6
2.5	30	29	23	13	24	20	12	32	32	36	15.6
4	40	39	31	18	32	25	16	41	41	47	9.71
6	51	49	40	22	41	33	20	52	52	58	6.49
10	69	67	54	30	54	44	27	69	69	77	3.86
16	92	89	72	39	70	56	36	122	89	99	2.43
25	124	119	97	50	94	75	48	158	116	129	1.55
35	153	145	119	61	112	90	59	190	139	155	1.12
50	187	177	146	72	138	110	—	225	168	186	0.840
70	238	223	184	89	170	136	—	277	206	228	0.597
95	295	276	230	107	212	169	—	332	252	278	0.449
120	344	321	267	122	242	193	—	378	287	316	0.371
150	395	367	308	137	282	225	—	424	329	354	0.319
185	459	424	358	154	320	256	—	480	373	408	0.277
240	549	505	428	177	381	305	—	556	438	472	0.240
300	636	582	495	198	—	—	—	628	496	546	0.219
400	744	676	577	221	—	—	—	713	575	621	0.202
500	867	780	668	245	—	—	—	805	649	721	0.191
630	1014	897	770	269	—	—	—	904	750	816	0.181

Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 3 Single Core (Cu) PVC/PVC

Nominal conductor area	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts			Single phase voltage drop	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation						
												(@50Hz, 75°C) mV/A.m	
mm ²													
1.5	20	17	16	10	15	12	8	20	20	24	8.6	28.6	
2.5	29	25	23	13	21	17	12	27	27	33	15.6	15.6	
4	38	33	31	18	28	23	16	36	36	43	9.71	9.71	
6	49	42	40	22	35	28	20	45	45	53	6.49	6.49	
10	67	58	54	30	47	37	27	59	59	70	3.86	3.86	
16	89	77	72	39	62	50	36	104	78	90	2.43	2.43	
25	120	103	97	50	81	64	48	134	100	117	1.54	1.55	
35	148	127	119	61	100	80	59	160	122	140	1.12	1.12	
50	181	156	146	72	119	95	—	190	144	168	0.834	0.840	
70	230	197	184	89	152	122	—	233	180	205	0.589	0.597	
95	287	246	230	107	183	147	—	279	217	250	0.439	0.449	
120	335	287	267	122	217	173	—	317	252	283	0.359	0.371	
150	385	330	308	137	244	195	—	356	283	317	0.303	0.319	
185	447	383	357	154	284	227	—	402	325	365	0.261	0.277	
240	535	457	426	176	331	265	—	465	377	422	—	—	
300	620	529	492	197	388	311	—	524	434	488	—	—	
400	726	615	573	219	442	353	—	593	492	553	—	—	
500	846	710	661	242	523	418	—	668	571	641	—	—	
630	990	817	760	265	588	471	—	748	639	723	—	—	

Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 2 Single Core (Cu) XLPE/PVC

Nominal conductor area	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts			Single phase voltage drop	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation						
												(@50Hz, 75°C) mV/A.m	
mm ²													
1.5	26	25	20	15	21	16	10	26	26	30	30.0		
2.5	36	36	28	21	30	24	14	36	36	41	16.4		
4	48	47	37	28	38	30	19	46	46	53	10.2		
6	61	60	47	36	47	38	24	58	58	66	6.81		
10	84	82	65	48	65	52	32	78	78	87	4.05		
16	112	108	86	64	84	67	43	139	100	112	2.55		
25	151	145	117	86	113	90	58	179	131	146	1.62		
35	186	177	144	105	135	108	72	215	157	175	1.18		
50	228	216	176	127	166	133	—	255	189	211	0.878		
70	291	273	224	160	204	164	—	313	233	258	0.623		
95	361	338	278	197	255	204	—	375	285	309	0.467		
120	422	393	325	229	292	233	—	427	325	358	0.385		
150	486	451	375	262	329	263	—	480	365	401	0.330		
185	565	522	436	303	387	309	—	543	423	463	0.285		
240	678	622	522	359	461	369	—	630	497	536	0.245		
300	787	718	605	413	—	—	—	711	562	620	0.222		
400	923	836	708	478	—	—	—	808	653	706	0.205		
500	1078	966	821	550	—	—	—	913	739	800	0.193		
630	1261	1113	950	629	—	—	—	1026	856	930	0.182		

Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 3 Single Core (Cu) XLPE/PVC

Nominal conductor area	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts		Single phase voltage drop	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation					
											(@50Hz, 75°C) mV/A.m	
mm ²												
1.5	25	21	20	15	18	15	10	22	22	27	30.0	30.0
2.5	35	30	28	21	25	20	14	31	31	38	16.4	16.4
4	46	40	37	28	33	26	19	40	40	49	10.2	10.2
6	59	50	47	36	42	34	24	50	50	60	6.81	6.81
10	81	69	65	48	56	45	32	67	67	79	4.05	4.05
16	108	92	86	64	72	58	43	117	86	101	2.55	2.55
25	146	125	117	86	97	77	58	151	113	132	1.62	1.62
35	180	154	144	105	120	96	72	180	137	158	1.17	1.18
50	221	188	176	127	143	114	—	214	163	190	0.872	0.878
70	282	240	224	160	183	146	—	262	203	232	0.615	0.623
95	350	298	278	197	220	176	—	313	244	276	0.457	0.467
120	410	349	325	229	261	209	—	356	284	320	0.373	0.385
150	472	403	375	262	295	236	—	400	320	358	0.316	0.330
185	560	468	435	302	335	268	—	452	363	413	0.269	0.285
240	660	560	521	358	399	320	—	523	426	477	0.227	0.245
300	766	648	602	410	469	375	—	589	491	552	0.202	0.222
400	899	756	702	474	534	427	—	668	557	626	0.183	0.205
500	1051	874	812	544	633	506	—	752	648	707	0.170	0.193
630	1230	1010	938	621	714	571	—	843	727	820	0.182	0.182

Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 2 Single Core (Al) XLPE/PVC

Nominal conductor area	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts		Single phase voltage drop	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation					
											(@50Hz, 75°C) mV/A.m	
mm ²												
16	87	84	67	50	65	52	33	107	78	87	4.25	
25	117	112	91	66	87	70	45	139	102	114	2.67	
35	144	137	111	81	105	84	56	167	122	136	1.94	
50	177	167	136	99	129	103	—	198	147	164	1.44	
70	226	212	174	124	159	127	—	243	181	200	1.00	
95	280	262	216	153	198	158	—	291	221	239	0.733	
120	328	305	253	178	226	181	—	332	252	278	0.589	
150	377	350	291	204	255	204	—	372	283	311	0.491	
185	439	406	340	236	301	241	—	423	329	359	0.404	
240	527	485	408	280	360	288	—	492	388	417	0.327	
300	612	562	473	323	—	—	—	556	440	482	0.281	
400	723	660	559	377	—	—	—	638	516	553	0.243	
500	850	772	656	439	—	—	—	729	590	632	0.216	
630	1003	904	772	511	—	—	—	833	695	740	0.189	

Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 3 Single Core (Al) XLPE/PVC

Nominal conductor area	Unenclosed				Enclosed	Thermal insulation		Buried direct	Underground ducts		Single phase voltage drop	
	Spaced	Spaced from surface	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation	Completely surrounded by thermal insulation					
											(@50Hz, 75°C) mV/A.m	
mm ²												
16	84	71	67	50	56	45	33	91	66	79	4.25	4.25
25	113	97	91	66	75	60	45	117	87	103	2.67	2.67
35	140	119	111	81	93	75	56	140	106	122	1.94	1.94
50	171	146	136	99	111	89	—	166	126	147	1.43	1.44
70	219	186	174	124	142	114	—	203	158	180	0.997	1.000
95	271	232	216	153	171	137	—	243	190	214	0.727	0.733
120	318	271	253	178	203	162	—	277	221	248	0.582	0.589
150	366	313	291	203	229	183	—	310	249	277	0.482	0.491
185	427	365	339	235	261	209	—	352	283	321	0.394	0.404
240	513	438	407	280	312	250	—	409	333	371	0.314	0.327
300	596	508	472	322	368	294	—	463	385	430	0.266	0.281
400	705	599	557	376	424	339	—	530	442	491	0.226	0.243
500	829	703	652	437	509	407	—	604	520	559	0.197	0.216
630	978	824	765	507	583	466	—	688	593	654	0.177	0.198

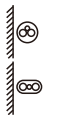
Note:
Applies to non-armoured, sheathed or unsheathed cables. Based on AS/NZS 3008.1.

Current Ratings 2 Core & Earth (Cu) PVC/PVC

Nominal conductor area	Unenclosed			Enclosed	Thermal insulation				Buried direct	Underground ducts	Single phase voltage drop
	Spaced	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation, unenclosed	Partially surrounded by thermal insulation, in underground ducts	Completely surrounded by thermal insulation, unenclosed	Completely surrounded by thermal insulation, in underground ducts			
											
mm ²											(@50Hz, 75°C) mV/A.m
1.5	19	18	14	16	14	13	9	8	21	21	33.0
2.5	27	26	20	23	20	19	13	12	30	30	18.0
4	37	34	27	30	27	24	17	15	39	39	11.2
6	46	44	34	39	35	31	22	20	50	50	7.49
10	64	60	46	52	48	42	30	26	66	66	4.46
16	85	80	60	68	64	54	40	34	114	86	2.81
25	113	107	79	90	85	72	53	45	147	112	1.78
35	139	131	97	112	105	90	65	56	178	136	1.28
50	170	159	116	133	127	107	—	—	211	162	0.957
70	215	201	145	170	161	136	—	—	259	202	0.673
95	265	248	175	204	198	163	—	—	311	243	0.498
120	307	288	202	241	230	192	—	—	355	282	0.405
150	351	328	227	271	263	217	—	—	398	317	—
185	403	377	258	313	302	250	—	—	449	363	—
240	477	446	300	364	357	291	—	—	520	421	—
300	547	511	339	424	409	340	—	—	586	483	—
400	631	589	384	482	471	386	—	—	663	548	—
500	716	668	429	561	534	449	—	—	741	628	—

Note:
Applies to cables with or without earth core, armoured or unarmoured, including neutral screened cables. Based on AS/NZS 3008.1.

Current Ratings 2 Core & Earth (Cu) XLPE/PVC

Nominal conductor area	Unenclosed			Enclosed	Thermal insulation				Buried direct	Underground ducts	Single phase voltage drop
	Spaced	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation, unenclosed	Partially surrounded by thermal insulation, in underground ducts	Completely surrounded by thermal insulation, unenclosed	Completely surrounded by thermal insulation, in underground ducts			
											(@50Hz, 75°C) mV/A.m
1.5	26	25	20	15	21	16	10	26	26	30	30.0
2.5	36	36	28	21	30	24	14	36	36	41	16.4
4	48	47	37	28	38	30	19	46	46	53	10.2
6	61	60	47	36	47	38	24	58	58	66	6.81
10	84	82	65	48	65	52	32	78	78	87	4.05
16	112	108	86	64	84	67	43	139	100	112	2.55
25	151	145	117	86	113	90	58	179	131	146	1.62
35	186	177	144	105	135	108	72	215	157	175	1.18
50	228	216	176	127	166	133	—	255	189	211	0.878
70	291	273	224	160	204	164	—	313	233	258	0.623
95	361	338	278	197	255	204	—	375	285	309	0.467
120	422	393	325	229	292	233	—	427	325	358	0.385
150	486	451	375	262	329	263	—	480	365	401	0.330
185	565	522	436	303	387	309	—	543	423	463	0.285
240	678	622	522	359	461	369	—	630	497	536	0.245
300	787	718	605	413	—	—	—	711	562	620	0.222
400	923	836	708	478	—	—	—	808	653	706	0.205
500	1078	966	821	550	—	—	—	913	739	800	0.193
630	1261	1113	950	629	—	—	—	1026	856	930	0.182

Note:

Applies to cables with or without earth core, armoured or unarmoured, including neutral screened cables. Based on AS/NZS 3008.1.

Current Ratings 3 Core & Earth or 4 Core & Earth (Cu) PVC/PVC

Nominal conductor area	Unenclosed			Enclosed	Thermal insulation				Buried direct	Underground ducts	Single phase voltage drop
	Spaced	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation, unenclosed	Partially surrounded by thermal insulation, in underground ducts	Completely surrounded by thermal insulation, unenclosed	Completely surrounded by thermal insulation, in underground ducts			
											(@50Hz, 75°C) mV/A.m
1.5	16	15	12	14	12	11	8	7	18	18	28.6
2.5	23	22	17	20	17	16	11	10	25	25	15.6
4	31	29	23	25	23	20	15	13	33	33	9.71
6	40	37	29	33	30	26	19	16	42	42	6.49
10	54	51	39	44	41	35	25	22	55	55	3.86
16	72	68	51	58	54	47	34	29	96	73	2.43
25	97	91	67	76	73	60	46	38	125	94	1.54
35	120	112	82	94	90	75	56	47	150	114	1.11
50	146	137	99	112	109	89	—	—	178	136	0.829
70	185	172	123	142	138	114	—	—	219	170	0.583
95	228	213	150	177	170	142	—	—	263	208	0.431
120	265	247	172	202	198	162	—	—	300	237	0.351
150	303	282	194	228	226	182	—	—	336	266	0.296
185	348	324	220	263	259	211	—	—	379	304	0.241
240	412	383	256	316	307	253	—	—	438	359	0.210
300	472	438	288	—	—	—	—	—	493	404	0.186
400	544	504	326	—	—	—	—	—	557	468	—
500	616	571	363	—	—	—	—	—	620	522	—

Note:

Applies to cables with or without earth core, armoured or unarmoured, including neutral screened cables. Based on AS/NZS 3008.1.

Current Ratings 3 Core & Earth
or 4 Core & Earth (Cu) XLPE/PVC

Nominal conductor area	Unenclosed			Enclosed	Thermal insulation				Buried direct	Underground ducts	Single phase voltage drop
	Spaced	Touching	Exposed to sun	Wiring enclosure in air	Partially surrounded by thermal insulation, unenclosed	Partially surrounded by thermal insulation, in underground ducts	Completely surrounded by thermal insulation, unenclosed	Completely surrounded by thermal insulation, in underground ducts			
											
mm ²											(@50Hz, 75°C) mV/A.m
1.5	20	19	16	16	15	13	9	8	20	20	28.6
2.5	28	26	23	24	21	19	13	12	29	29	15.6
4	38	35	30	30	28	24	18	15	37	37	9.71
6	48	45	39	38	36	30	22	19	46	46	6.49
10	66	62	53	53	49	42	31	26	63	63	3.86
16	88	83	70	68	66	55	41	34	110	81	2.43
25	119	111	94	91	89	73	56	46	143	107	1.54
35	147	137	115	114	110	91	69	57	172	130	1.11
50	180	168	140	136	134	108	—	—	204	155	0.829
70	229	213	177	173	170	138	—	—	251	193	0.583
95	283	263	217	209	210	167	—	—	302	233	0.431
120	330	306	251	246	245	197	—	—	344	270	0.351
150	377	350	285	277	280	222	—	—	385	304	0.296
185	436	404	327	322	323	257	—	—	435	348	0.251
240	517	479	385	386	383	309	—	—	504	411	0.210
300	594	549	439	—	—	—	—	—	567	463	0.186
400	685	632	502	—	—	—	—	—	640	524	0.168
500	779	718	566	—	—	—	—	—	714	601	0.156

Note:
Applies to cables with or without earth core, armoured or unarmoured, including neutral screened cables. Based on AS/NZS 3008.1.

