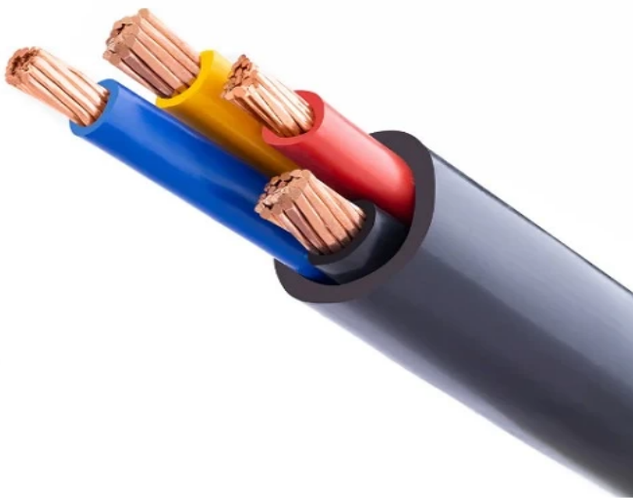
Low Voltage Cable
CU/PVC/PVC



Construction

Conductor: Plain annealed copper Class 1 or Class 2
Insulation: PVC (Polyvinyl Chloride)
Outer Sheath: PVC (Polyvinyl Chloride)
Sheath Color: Red, Yellow, Blue, Green, Black

Applications

Primarily engineered for main power supply applications, this versatile cable is suitable for installation in ducts, on cable trays, ladders, and within trunking systems. Featuring robust PVC insulation, it supports a long-term permissible operating temperature of up to 70°C. The cable is designed with excellent bending properties, ensuring ease of handling for efficient installation and simplified future maintenance.

Standards

IEC 60228
IEC 60502-1
BS EN 50363-3
BS 7655-4.2

Specification

Voltage Rating	**0.6/1 kV**
Test Voltage	**3500v**
Temperature Range	**-15°C to +70°C**
Max. temperature during short circuit (≤5S)	**250°C**
Min. Bending radius	**6 x cable Ø;**

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Technical Data

Single Core Cables Cu/PVC/PVC

Nominal Area of Conductor	Max. Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight
(mm)	(Ohm/Km)	(mm)	(mm)	(mm)	(Kg/Km)
1.5*	12.1	0.8	1.4	6.4	58
1.5	12.1	0.8	1.4	6.6	62
2.5*	7.41	0.8	1.4	6.8	71
2.5	7.41	0.8	1.4	7	75
4	4.61	1	1.4	7.9	100
6	3.08	1	1.4	8.5	125
10	1.83	1	1.4	9.2	170
16	1.15	1	1.4	10.3	235
25	0.727	1.2	1.4	12	345
35	0.524	1.2	1.4	13.1	445
50	0.387	1.4	1.4	14.6	585
70	0.268	1.4	1.4	16.2	795
95	0.193	1.6	1.5	18.7	1090
120	0.153	1.6	1.5	20.2	1330
150	0.124	1.8	1.6	22.2	1650
185	0.0991	2	1.7	24.4	2020
240	0.0754	2.2	1.8	27.5	2600
300	0.0601	2.4	1.9	30.1	3230
400	0.047	2.6	2	33.6	4140
500	0.0366	2.8	2.1	37.4	5200
630	0.0283	2.8	2.2	43.2	6660
800	0.0221	2.8	2.3	47.4	8340
1000	0.0176	3	2.5	53.6	10600

*Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

All Cables conform to IEC 60502 - 1 & generally to BS 6346.

Technical Data

Two Core Cu/PVC/PVC

Nominal Area of Conductor	Max. Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight
(mm)	(Ohm/Km)	(mm)	(mm)	(mm)	(Kg/Km)
1.5*	12.1	0.7	1.8	10.6	150
1.5	12.1	0.7	1.8	11.0	160
2.5*	7.41	0.8	1.8	11.8	190
2.5	7.41	0.8	1.8	12.2	200
4	4.61	0.8	1.8	13.2	255
6	3.08	0.8	1.8	14.4	320
10	1.83	1.0	1.8	16.6	460
16	1.15	1.0	1.8	18.8	620
25	0.727	1.2	1.8	22.2	910
35	0.524	1.2	1.8	24.4	1160
50	0.387	1.4	1.8	27.9	1340
70	0.268	1.4	1.9	31.3	1810
95	0.193	1.6	2.0	36.1	2450
120	0.153	1.6	2.1	39.3	2990
150	0.124	1.8	2.2	43.1	3680
185	0.0991	2.0	2.4	47.5	4500
240	0.0754	2.2	2.5	53.5	5770
300	0.0601	2.4	2.7	58.7	7150
400	0.0470	2.6	2.9	65.7	9140

*Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

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Technical Data

Three Core Cu/PVC/PVC

Nominal Area of Conductor	Max. Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight
(mm)	(Ohm/Km)	(mm)	(mm)	(mm)	(Kg/Km)
1.5*	12.1	0.7	1.8	11.1	170
1.5	12.1	0.7	1.8	11.5	180
2.5*	7.41	0.8	1.8	11.9	225
2.5	7.41	0.8	1.8	12.4	235
4	4.61	0.8	1.8	13.9	300
6	3.08	0.8	1.8	16.2	380
10	1.83	1.0	1.8	17.6	560
16	1.15	1.0	1.8	19.9	775
25	0.727	1.2	1.8	21.2	1050
35	0.524	1.2	1.8	23.5	1360
50	0.387	1.4	1.8	27.1	1760
70	0.268	1.4	2.0	29.7	2390
95	0.193	1.6	2.1	34.5	3240
120	0.153	1.6	2.2	37.7	3990
150	0.124	1.8	2.3	40.4	4900
185	0.0991	2.0	2.5	45.1	6040
240	0.0754	2.2	2.6	51.4	7740
300	0.0601	2.4	2.8	56.1	9660
400	0.0470	2.6	3.1	63.7	12410
500	0.0366	2.8	3.4	69.1	15480

*Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

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Technical Data

Four Core Cu/PVC/PVC

Nominal Area of Conductor	Max. Conductor Resistance at 20°C	Thickness of Insulation	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Cable Weight
(mm)	(Ohm/Km)	(mm)	(mm)	(mm)	(Kg/Km)
1.5*	12.1	0.7	1.8	11.9	200
1.5	12.1	0.7	1.8	12.3	210
2.5*	7.41	0.8	1.8	13.3	265
2.5	7.41	0.8	1.8	13.8	280
4	4.61	0.8	1.8	15.0	360
6	3.08	0.8	1.8	16.5	465
10	1.83	1.0	1.8	19.1	690
16	1.15	1.0	1.8	21.8	970
25	0.727	1.2	1.8	23.3	1290
35	0.524	1.2	1.8	26.7	1700
50	0.387	1.4	1.9	30.3	2310
70	0.268	1.4	2.0	33.4	3130
95	0.193	1.6	2.2	38.8	4260
120	0.153	1.6	2.3	41.7	5240
150	0.124	1.8	2.5	46.3	6490
185	0.0991	2.0	2.6	51.0	7980
240	0.0754	2.2	2.8	56.6	10230
300	0.0601	2.4	3.1	62.0	12810
400	0.0470	2.6	3.3	69.8	16390
500	0.0366	2.8	3.6	78.9	20500

*Circular solid conductors (Class 1).

All other conductors circular stranded or circular stranded compacted (Class 2).

All Cables conform to IEC 60502 - 1 & generally to BS 6346.