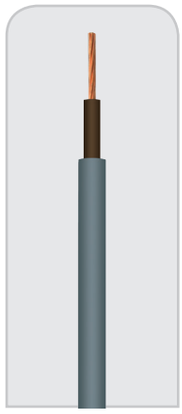
2.3
Single Core Insulated and Sheathed

Application: PVC insulated cables intended for electrical power, lighting and internal wiring.



Specifications

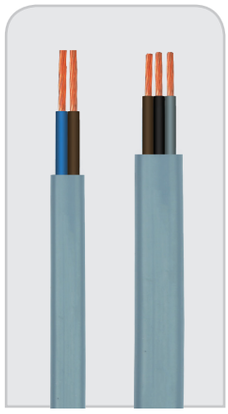
Type		: Cu/PVC/PVC
Standard		: SLS 733, BS 6004
Nominal Voltage		: 300/500V
Conductor		: Class 1 or Class 2 Annealed Copper
Insulation	Material	: PVC TI 1
	Colour	: Refer last page -"CABLE CORE COLOURS"
Sheathing	Material	: PVC Type 6
	Colour	: Grey (or other colours by agreement with customer)

Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Mean Overall Diameter		Minimum Insulation Resistance at 70 °C	Max. d.c. Resistance at 20 °C	Approx. Weight
				Lower Limit	Upper Limit			
mm^2	x/mm	mm	mm	mm		MΩ.km	Ω/km	kg/km
1	1/1.13	0.6	0.8	3.8	4.5	0.011	18.1	26
1.5	1/1.38	0.7	0.8	4.2	4.9	0.011	12.1	34
2.5	1/1.78	0.8	0.8	4.8	5.8	0.010	7.41	48
4	7/0.85	0.8	0.9	5.4	6.8	0.0077	4.61	71
6	7/1.04	0.8	0.9	6.0	7.4	0.0065	3.08	94
10	7/1.35	1.0	0.9	7.2	8.8	0.0065	1.83	147
16	7/1.70	1.0	1.0	8.4	10.5	0.0052	1.15	215
25	7/2.14	1.2	1.1	10.0	12.5	0.0050	0.727	329
35	19/1.53	1.2	1.1	11.0	13.5	0.0044	0.524	433

2. Domestic Cables

2.4
Multi Core Insulated and Sheathed - Flat Cable & Twisted Twin

Application: PVC insulated cables intended for electrical power, lighting and internal wiring.



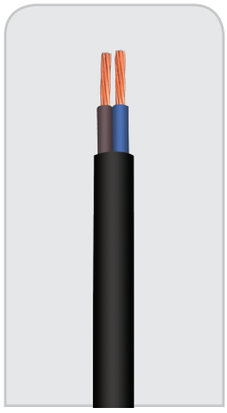
Specifications

Type		: Cu/PVC/PVC
Standard		: SLS 733, BS 6004
Nominal Voltage		: 300/500V
Conductor		: Class 1, Class 2 or Class 5 Annealed Copper
Insulation	Material	: PVC TI 1
	Colour	: Refer last page -"CABLE CORE COLOURS"
Sheathing	Material	: PVC Type 6
	Colour	: Grey (or other colours by agreement with customer)

Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Mean Overall Dimensions		Minimum Insulation Resistance at 70 ^{0}C	Max. d.c. Resistance at 20 ^{0}C	Approx. Weight
				Lower Limit	Upper Limit			
mm^2	x/mm	mm	mm	mm		MΩ.km	Ω/km	kg/km
Twisted Twin*								
0.5	16/0.20	0.6	-	2.1	2.5	0.013	39.0	18
0.75	24/0.20	0.6	-	2.2	2.7	0.011	26.0	24
Two Core Flat Cables (Flat Twin)								
1	1/1.13	0.6	0.9	4.0x6.2	4.7x7.4	0.011	18.1	49
1.5	1/1.38	0.7	0.9	4.4x7.0	5.4x8.4	0.011	12.1	66
1.5	7/0.53	0.7	0.9	4.5x7.2	5.6x8.8	0.011	12.1	70
2.5	1/1.78	0.8	1.0	5.2x8.4	6.2x9.8	0.010	7.41	99
2.5	7/0.67	0.8	1.0	5.2x8.6	6.6x10.5	0.010	7.41	102
4	7/0.85	0.8	1.0	5.6x9.6	7.2x11.5	0.0077	4.61	141
6	7/1.04	0.8	1.1	6.4x10.5	8.0x13.0	0.0065	3.08	192
10	7/1.35	1.0	1.2	7.8x13.0	9.6x16.0	0.0065	1.83	308
16	7/1.70	1.0	1.3	9.0x15.5	11.0x18.5	0.0052	1.15	447
Three core flat cables								
1	1/1.13	0.6	0.9	4.0x8.4	4.7x9.8	0.011	18.1	71
1.5	1/1.38	0.7	0.9	4.4x9.8	5.4x11.5	0.011	12.1	95
2.5	1/1.78	0.8	1.0	5.2x11.5	6.2x13.5	0.010	7.41	143
4	7/0.85	0.8	1.1	5.8x13.5	7.4x16.5	0.0077	4.61	213
6	7/1.04	0.8	1.1	6.4x15.0	8.0x18.0	0.0065	3.08	285
10	7/1.35	1.0	1.2	7.8x19.0	9.6 x 22.5	0.0065	1.83	457
16	7/1.70	1.0	1.3	9.0 x 22.0	11.0x26.5	0.0052	1.15	667

*Twisted twin comprises two insulated cables twisted together.

2.5
Multi Core Insulated and Sheathed - Circular Cable



Application: PVC insulated cables intended for electrical power, lighting and internal wiring

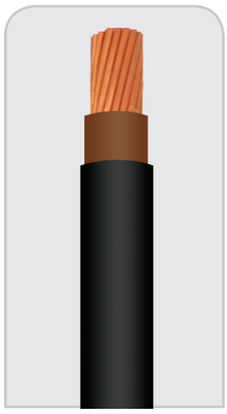
Specifications

Type		: Cu/PVC/PVC
Standard		: SLS 733, BS 6004
Nominal Voltage		: 300/500V
Conductor		: Class 2 Annealed Copper
Insulation	Material	: PVC TI 1
	Colour	: Refer last page -"CABLE CORE COLOURS"
Sheathing	Material	: PVC TM 1
	Colour	: Not Specified

Nominal Cross sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Sheathing Thickness	Mean Overall Diameter		Minimum Insulation Resistance at 70 °C	Max. d.c. Resistance at 20 °C	Approx. Weight
					Lower Limit	Upper Limit			
mm^2	x/mm	mm	mm	mm	mm		MΩ.km	Ω/km	kg/km
Two Core Cables									
1.5	7/0.53	0.7	0.4	1.2	8.4	10.5	0.010	12.1	123
2.5	7/0.67	0.8	0.4	1.2	9.6	12.0	0.009	7.41	166
4	7/0.85	0.8	0.4	1.2	10.5	13.0	0.0077	4.61	216
6	7/1.04	0.8	0.4	1.2	11.5	14.0	0.0065	3.08	278
10	7/1.35	1.0	0.6	1.4	15.0	17.5	0.0065	1.83	456
16	7/1.70	1.0	0.6	1.4	16.5	20.0	0.0052	1.15	629
25	7/2.14	1.2	0.8	1.4	20.5	24.0	0.0050	0.727	950
35	19/1.53	1.2	1.0	1.6	23.0	27.5	0.0044	0.524	1276
Three Core Cables									
1.5	7/0.53	0.7	0.4	1.2	8.8	11.0	0.010	12.1	142
2.5	7/0.67	0.8	0.4	1.2	10.0	12.5	0.009	7.41	193
4	7/0.85	0.8	0.4	1.2	11.0	13.5	0.0077	4.61	257
6	7/1.04	0.8	0.4	1.4	12.5	15.5	0.0065	3.08	350
10	7/1.35	1.0	0.6	1.4	15.5	19.0	0.0065	1.83	554
16	7/1.70	1.0	0.8	1.4	18.0	21.5	0.0052	1.15	719
25	7/2.14	1.2	0.8	1.6	22.0	26.0	0.0050	0.727	1085
35	19/1.53	1.2	1.0	1.6	24.5	29.0	0.0044	0.524	1430
Four Core Cables									
1.5	7/0.53	0.7	0.4	1.2	9.6	12.0	0.010	12.1	170
2.5	7/0.67	0.8	0.4	1.2	11.0	13.5	0.009	7.41	235
4	7/0.85	0.8	0.4	1.4	12.5	15.0	0.0077	4.61	329
6	7/1.04	0.8	0.6	1.4	14.0	17.0	0.0065	3.08	446
10	7/1.35	1.0	0.6	1.4	17.0	20.5	0.0065	1.83	688
16	7/1.70	1.0	0.8	1.4	20.0	23.5	0.0052	1.15	916
25	7/2.14	1.2	1.0	1.6	24.5	28.5	0.0050	0.727	1416
35	19/1.53	1.2	1.0	1.6	27.0	32.0	0.0044	0.524	1846
Five Core Cables									
1.5	7/0.53	0.7	0.4	1.2	10.0	12.5	0.010	12.1	199
2.5	7/0.67	0.8	0.4	1.2	12.0	14.5	0.009	7.41	277
4	7/0.85	0.8	0.6	1.4	14.0	17.0	0.0077	4.61	404
6	7/1.04	0.8	0.6	1.4	15.5	18.5	0.0065	3.08	531
10	7/1.35	1.0	0.6	1.4	18.5	22.0	0.0065	1.83	825
16	7/1.70	1.0	0.8	1.6	22.0	26.0	0.0052	1.15	1138
25	7/2.14	1.2	1.0	1.6	27.0	31.5	0.0050	0.727	1725
35	19/1.53	1.2	1.2	1.6	30.0	35.0	0.0044	0.524	2290

3.1.1
Single Core PVC Insulated and PVC Sheathed Unarmoured - Circular Conductor

Application: Use in fixed installations in industrial areas, buildings and similar applications.



Specifications

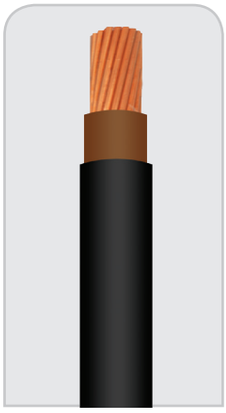
Type		: Cu/PVC/PVC
Standard		: BS 6346
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: PVC TI 1
	Colour	: Refer last page -"CABLE CORE COLOURS"
Sheathing	Material	: PVC TM 1
	Colour	: Black

Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 °C	Approx. Weight
mm²	x/mm	mm	mm	mm	Ω/km	kg/km
50	19/1.78	1.4	1.5	14.7	0.387	605
70	19/2.14	1.4	1.6	16.7	0.268	834
95	19/2.52	1.6	1.6	19.0	0.193	1126
120	37/2.03	1.6	1.7	20.8	0.153	1384
150	37/2.25	1.8	1.7	22.8	0.124	1683
185	37/2.52	2.0	1.8	25.2	0.0991	2096
240	61/2.25	2.2	1.9	28.5	0.0754	2711
300	61/2.52	2.4	1.9	31.3	0.0601	3356
400	61/2.85	2.6	2.1	35.1	0.0470	4265
500	61/3.20	2.8	2.1	38.6	0.0366	5306
630	91/2.98	2.8	2.2	42.8	0.0283	6747
800	91/3.35	2.8	2.4	47.3	0.0221	8430
1000	91/3.74	3.0	2.5	52.1	0.0176	10431

3. Industrial - Copper

3.1.2
Single Core XLPE Insulated and PVC Sheathed Unarmoured - Circular Conductor

Application: Use in fixed installations in industrial areas, buildings and similar applications.



Specifications

Type		: Cu/XLPE/PVC
Standard		: BS 7889
Nominal Voltage		: 600/1000V
Conductor		: Class 2 Annealed Copper Wires
Insulation	Material	: XLPE
	Colour	: Refer last page -"CABLE CORE COLOURS"
Sheathing	Material	: PVC Type 9
	Colour	: Black

Nominal Cross Sectional Area	No. & Dia. of wires	Nominal Insulation Thickness	Nominal Sheathing Thickness	Approx. Overall Diameter	Max. d.c. Resistance at 20 ^{0}C	Approx. Weight
mm^2	x/mm	mm	mm	mm	Ω/km	kg/km
50	19/1.78	1.0	1.4	14.2	0.387	549
70	19/2.14	1.1	1.4	16.2	0.268	767
95	19/2.52	1.1	1.5	18.3	0.193	1038
120	37/2.03	1.2	1.5	20.2	0.153	1287
150	37/2.25	1.4	1.6	22.4	0.124	1579
185	37/2.52	1.6	1.6	24.7	0.0991	1961
240	61/2.25	1.7	1.7	27.7	0.0754	2542
300	61/2.52	1.8	1.8	30.6	0.0601	3163
400	61/2.85	2.0	1.9	34.2	0.0470	4020
500	61/3.20	2.2	2.0	38.0	0.0366	5038
630	91/2.98	2.4	2.2	42.9	0.0283	6489
800	91/3.35	2.6	2.3	47.8	0.0221	8147
1000	91/3.74	2.8	2.4	53.0	0.0176	10095