

Tri-Rated Cable



Conductor:

Class 5 Flexible Plain Copper Conductor to BS EN 60228:2005 (previously BS6360)

Insulation:

PVC (Polyvinyl Chloride)

Standards:

BS6231 Type CK UL Subj.758 CSA c.22.2 No. 127 (only applicable for sizes up to 120 mm²)

UL Style #:

1015: 0.50mm² - 6.00mm², 1015(1028): 10.00mm², 1015(1283): 16.00mm² - 35.00mm², 1015(1284):50.00mm² - 240.00mm²

Voltage Rating:

BS6231:600/1000v, UL, CSA: 600v

Temperature Rating:

BS6321: 90°C (105°C for 150,000 hours) UL, CSA: 105°C

Insulation Colour:

Black, Red, Blue, Light Blue, Dark Blue, Yellow, Green/Yellow, Grey, Brown, Orange, White, Violet, Green, Pink.

Minimum Bending Radius:

6xOverall Diameter

Dimensions:

No. of Cores x CSA mm ²	Nominal Thickness of Insulation mm	AWG	Nominal Weight Kg/Km	Nominal Overall Diameter mm	UL Style No.
1x0.50	0.8	22	12	2.5	1015
1x0.75	0.8	20	15	2.7	1015
1x1.00	0.8	18	18	2.95	1015
1x1.50	0.8	16	23	3.2	1015
1x2.50	0.8	14	34	3.65	1015
1x4.00	0.8	12	48	4.2	1015
1x6.00	0.8	10	67	4.7	1015
1x10.00	1.14	8	119	6.5	1015
1x16.00	1.52	6	187	8	1015
1x25.00	1.52	4	291	9.4	1015
1x35.00	1.52	2	406	10.6	1015
1x50.00	2.02	1	580	12.9	1015
1x70.00	2.02	2/0	780	14.6	1015
1x95.00	2.02	3/0	1055	16.1	1015
1x120.00	2.02	4/0	1175	17.9	1015
1x150.00	2.41	250 MCM	1425	20.2	1015
1x185.00	2.41	350 MCM	1735	22.85	1015
1x240.00	2.41	450 MCM	2310	24.4	1015

Conductors:

Nominal Cross Sectional Area (mm ²)	Max. Resistance of Conductor at 20° Plain Wires (Ohms/Km)	Max. Diameter of Wires in Conductor (mm)
0.50	39.0000	0.21
0.75	26.0000	0.21
1.00	19.5000	0.21
1.50	13.3000	0.26
2.50	7.9800	0.26
4.00	4.9500	0.31
6.00	3.3000	0.31
10.00	1.9100	0.41
16.00	1.2100	0.41
25.00	0.7800	0.41
35.00	0.5540	0.41
50.00	0.3860	0.41
70.00	0.2720	0.51
95.00	0.2060	0.51
120.00	0.1610	0.51
150.00	0.1290	0.51
185.00	0.1060	0.51
240.00	0.0801	0.51

Electrical Characteristics:

Nominal Cross Sectional Area (mm ²)	Voltage Drop (mV/A/M)	Current Rating (Peak) (Amps)
0.50	46.00	11
0.75	31.00	14
1.00	22.00	17
1.50	15.00	21
2.50	9.10	30
4.00	5.70	41
6.00	3.80	53
10.00	2.20	75
16.00	1.40	100
25.00	0.89	136
35.00	0.64	167
50.00	0.45	204
70.00	0.32	259
95.00	0.24	321
120.00	0.19	374
150.00	0.16	418
185.00	0.13	480
240.00	0.10	593

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Part Number Reference:

Nominal Cross Sectional Area # x mm2	Colour						
	Black	Red	Blue	Light Blue	Dark Blue	Yellow	Green/Yellow
0.50	701-001	701-002	701-003	701-004	701-005	701-006	701-007
0.75	702-001	702-002	702-003	702-004	702-005	702-006	702-007
1.00	703-001	703-002	703-003	703-004	703-005	703-006	703-007
1.50	704-001	704-002	704-003	704-004	704-005	704-006	704-007
2.50	705-001	705-002	705-003	705-004	705-005	705-006	705-007
4.00	706-001	706-002	706-003	706-004	706-005	706-006	706-007
6.00	707-001	707-002	707-003	707-004	707-005	707-006	707-007
10.00	708-001	708-002	708-003	708-004	708-005	708-006	708-007
16.00	709-001	709-002	709-003	709-004	709-005	709-006	709-007
25.00	710-001	710-002	710-003	710-004	710-005	710-006	710-007
35.00	711-001	711-002	711-003	711-004	711-005	711-006	711-007
50.00	712-001	712-002	712-003	712-004	712-005	712-006	712-007
70.00	713-001	713-002	713-003	713-004	713-005	713-006	713-007
95.00	714-001	714-002	714-003	714-004	714-005	714-006	714-007
120.00	715-001	715-002	715-003	715-004	715-005	715-006	715-007
150.00	716-001	716-002	716-003	716-004	716-005	716-006	716-007
180.00	717-001	717-002	717-003	717-004	717-005	717-006	717-007
240.00	718-001	718-002	718-003	718-004	718-005	718-006	718-007

Nominal Cross Sectional Area # x mm2	Colour						
	Grey	Brown	Orange	White	Violet	Green	Pink
0.50	701-008	701-009	701-010	701-011	701-012	701-013	701-014
0.75	702-008	702-009	702-010	702-011	702-012	702-013	702-014
1.00	703-008	703-009	703-010	703-011	703-012	703-013	703-014
1.50	704-008	704-009	704-010	704-011	704-012	704-013	704-014
2.50	705-008	705-009	705-010	705-011	705-012	705-013	705-014
4.00	706-008	706-009	706-010	706-011	706-012	706-013	706-014
6.00	707-008	707-009	707-010	707-011	707-012	707-013	707-014
10.00	708-008	708-009	708-010	708-011	708-012	708-013	708-014
16.00	709-008	709-009	709-010	709-011	709-012	709-013	709-014
25.00	710-008	710-009	710-010	710-011	710-012	710-013	710-014
35.00	711-008	711-009	711-010	711-011	711-012	711-013	711-014
50.00	712-008	712-009	712-010	712-011	712-012	712-013	712-014
70.00	713-008	713-009	713-010	713-011	713-012	713-013	713-014
95.00	714-008	714-009	714-010	714-011	714-012	714-013	714-014
120.00	715-008	715-009	715-010	715-011	715-012	715-013	715-014
150.00	716-008	716-009	716-010	716-011	716-012	716-013	716-014
180.00	717-008	717-009	717-010	717-011	717-012	717-013	717-014
240.00	718-008	718-009	718-010	718-011	718-012	718-013	718-014