

HEAT RESISTANT PVC INSULATED SINGLE CORE FLEXIBLE CABLE BS 6231 / TRI RATED CABLE



Application

High temperature, flame retardant cable designed for use in switch control, relay and instrumentation panels of power switchgear and for purposes such as internal connectors in rectifier equipment, motor starters and controllers.

Conductor

Class 5 flexible plain copper conductor to BS EN 60228:2005 (previously BS6360)

COLOURS AVAILABLE

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

Temperature Rating

BS6231 : 90°C
UL, CSA : 105°C

STANDARDS

BS6231 Type CK,
UL Subj.758,
CSA c.22.2 No. 210-05

INSULATION

PVC (Polyvinyl Chloride)

VOLTAGE RATING

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

MINIMUM BENDING RADIUS

6 x overall diameter

Single Core PVC Insulated Unsheathed Type (NYAF)

Dimensions

No. of Cores x Nominal Cross Sectional Area mm ²	AWG	Nominal Thickness of Insulation (mm)	Nominal Overall Diameter (mm)	Nominal Weight Kg/Km	UL Style Number	Max. Strand Diameter (mm)	Max DC Resistance at 20°C (Ω/km)
1 x 0.5	22	0.80	2.50	11	1015	0.21	39.0
1 x 0.75	20	0.80	2.75	15	1015	0.21	26.0
1 x 1	18	0.80	2.90	18	1015	0.21	19.5
1 x 1.5	16	0.80	3.15	23	1015	0.26	13.3
1 x 2.5	14	0.80	3.60	35	1015	0.26	7.98
1 x 4	12	0.80	4.15	48	1015	0.31	4.95
1 x 6	10	0.80	4.70	69	1015	0.31	3.30
1 x 10	8	1.15	6.40	117	1015	0.41	1.91
1 x 16	6	1.55	8.45	191	1015	0.41	1.21
1 x 25	4	1.55	9.60	281	1015	0.41	0.78
1 x 35	2	1.55	10.90	389	1015	0.41	0.5335
1 x 50	1	2.10	13.30	560	1015	0.41	0.386
1 x 70	2/0	2.10	15.30	774	1015	0.51	0.2650
1 x 95	3/0	2.10	17.10	991	1015	0.51	0.206
1 x 120	4/0	2.10	18.45	1231	1015	0.51	0.161
1 x 150	250	2.45	21.00	1534	1015	0.51	0.129
1 x 185	350	2.45	22.90	1878	1015	0.51	0.1011
1 x 240	450	2.45	25.60	2381	1015	0.51	0.0787