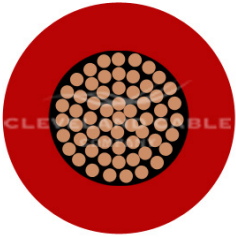




## TRI-RATED BS6231 FLEXIBLE PVC CABLE



### APPLICATION

The British standard Tri Rated cable is sometimes referred to as panel wiring cable due to its application and purpose. It is a high temperature, flame retardant cable designed for use in instrumentation panels, motor starters or power switch gear. The cable features flexible plain annealed copper conductors and a circular high temperature PVC outer sheath. UL & CSA approved also to BS6231.

Bi-Rated cables to UL and CSA Approval

### CONSTRUCTION

**Conductor:** Class 5 Flexible plain annealed copper conductors

**Sheath:** Circular high temperature PVC outer sheath in a large range of colours

### CABLE STANDARDS

BS6231  
UL Style number 1015  
UL Subject number 758  
CSA 22.2  
BS EN 50525-2-31  
Flame propagation to BS EN 50265,  
IEC 60332-1-2

### CHARACTERISTICS

**Voltage Rating:** 600/1000 Volts

**Temperature Limits:** Fixed Installation -30°C to +105°C

**BS6231:** -15°C to +90°C

**UL / CAS** -15°C to +105°C

**Minimum Bending Radius:** As per cable manufacturer datasheet

### CORE IDENTIFICATION

0.5–2.5mm <sup>2</sup> :	Green / Yellow	Brown	Black	Grey
	Blue	Orange	Red	Yellow
	Violet	Pink		White
4.0–16mm <sup>2</sup> :	Green / Yellow	Brown	Black	Grey
	Blue	Yellow	White	Red
25.0–120mm <sup>2</sup> :	Green / Yellow	Brown	Black	Grey
	Blue	Yellow		
150mm <sup>2</sup>	Green / Yellow	Black		
185–400mm <sup>2</sup> :	Black			

For more information contact:  
**01642 241 133**



## TRI-RATED BS6231 FLEXIBLE PVC CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	WEIGHT (KG/KM)	APPROX OVERALL DIAMETER	GLAND SIZE
TR10/5	0.5	16/0.20	12	2.70	-
TR1/75	0.75	24/0.20	15	2.90	-
TR11	1	32/0.20	18	3.10	-
TR11/5	1.5	30/0.25	23	3.30	20/16
TR12/5	2.5	50/0.25	34	3.70	20/16
TR14	4	56/0.30	50	4.30	20/16
TR16	6	84/0.30	71	4.90	20/16
TR110	10	80/0.40	123	6.30	20/16
TR116	16	126/0.40	207	9.00	20S
TR125	25	196/0.40	303	10.40	20S
TR135	35	276/0.40	412	11.90	20
TR150	50	396/0.40	607	14.70	25
TR170	70	360/0.50	837	16.80	25
TR195	95	475/0.50	1079	18.80	25
TR120	120	608/0.50	1280	19.90	32
BI150	150	756/0.50	1619	22.90	32
BI185	185	925/0.50	1948	24.10	32
BI240	240	1221/0.50	2518	26.60	40
BI300	300	1525/0.50	2800	27.7	40
BI400	400	2257/0.50	3655	31.6	50

## TRI-RATED BS6231 PVC - ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA MM <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR	CURRENT RATING (PEAK) AMPS	VOLTAGE DROP MV/A/M	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
				PLAIN WIRES OHMS/KM
0.5	0.21	11	46	39
0.75	0.21	14	31	26
1	0.21	17	22	19.5
1.5	0.26	21	15	13.3
2.5	0.26	30	9.1	7.98
4	0.31	41	5.7	4.95
6	0.31	53	3.8	3.3
10	0.41	75	2.2	1.91
16	0.41	100	1.4	1.21
25	0.41	136	0.89	0.78
35	0.41	167	0.64	0.554
50	0.41	204	0.45	0.386
70	0.51	259	0.32	0.272
95	0.51	321	0.24	0.206
120	0.51	374	0.19	0.161
150	0.51	429	0.16	0.129
185	0.51	496	0.13	0.106
240	0.51	595	0.1	0.0801
300	0.51	675	0.1	0.0644
400	0.51	810	0.1	0.486

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

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