

## TRI-RATED CABLES

### Tri – Rated Switchgear Wire

BS 6231, UL & CSA

MASON Part No.	Cross Sectional Area (mm <sup>2</sup> )	UL Style	AWG	Nominal O.D. (mm)	Max Current Rating	Weight (kg/km)
TR0050	0.50	1015	22	2.7	11	13
TR0075	0.75	1015	20	2.9	14	15
TR0100	1.00	1015	18	3.1	17	19
TR0150	1.50	1015	16	3.4	21	25
TR0250	2.50	1015	14	3.8	30	35
TR0400	4.00	1015	12	4.4	41	52
TR0600	6.00	1015	10	5.1	53	78
TR1000	10.00	1028	8	6.8	75	135
TR1600	16.00	1283	6	9.2	100	213
TR2500	25.00	1283	4	10.6	136	309
TR3500	35.00	1283	2	12.0	167	420
TR5000	50.00	1284	1	14.7	204	610
TR7000	70.00	1284	2/0	16.8	259	818

For current ratings for multiple cables and/or for use in other ambient temperature please refer to the following tables.

Temperature De-Rating Factors						
Ambient Temperature °C	50	55	60	65	70	75
Current Rating Factor	0.97	0.90	0.82	0.75	0.63	0.52

Bunched Wire De-Rating Factors							
No. Of Wires	2	3	4	5	6	8	10
Current Rating Factor	0.80	0.70	0.65	0.60	0.56	0.50	0.46

To read the de-rated figure multiply the original current rating by the factors shown in the relevant table

### APPLICATION

MASON Tri-rated cable is designed and manufactured for use in the wiring of switch, control, metering and instrumentation panels and the internal connections in motor starters and controllers.

### SPECIFICATION

All cables are manufactured to meet the requirements of BS6231

Sizes up to and including 70 mm<sup>2</sup> have UL (American) and CSA (Canadian) approvals i.e.

Tri-rated. UL Styles are 1015, 1028, 1283 or 1284 (according to cable size). CSA Style TEW.

- Voltage rating 600 volt RMS.
- Conductors: plain, annealed, flexible copper.
- Insulation: heat resisting PVC
- Maximum temperature 105 °C.
- Conforms to UL VW-1 vertical wire flame test.

### STANDARD COLOURS

Black, Blue (pale, medium or dark), Brown, Green, Grey, Orange, Pink, Red, Violet, White, Yellow, Green/yellow. (Other two and three colour options are available on request)

Please contact our Sales Office for details of colours available in particular sizes / lengths

### PACKAGING

Supplied on 50M, 100M and 500M reels depending on conductor size / colour.