



# Doncaster Cables

## TRI-RATED SWITCHGEAR AND PANEL WIRING



Representative image: The number and colour of cores may vary

- Manufactured to: BS 6231 Type CK
- Underwriters Laboratory Listed. Conforms to subject 758 Appliance Wiring Material for Styles 1015, 1028, 1283 and 1284 where applicable.
- Canadian Standards Association approved. Complies with Standard C22.2, No.127, Type TEW

<b>Conductor</b>	Flexible Plain Annealed Copper
<b>Current Ratings</b>	For current ratings refer to table 4D1A of BS7671 IET Wiring Regulations.
<b>Voltage Rating</b>	600v AC / 1000V DC
<b>Maximum operating temperature</b>	105°C
<b>Oil Resistance</b>	This cable is recognised by CSA and UL as resistant to oil at temperatures up to 60°C
<b>Spread of Flame</b>	Tested to BS EN 60332-1-2, VW-1 and FT-1
<b>Temperature Range</b>	UL and CSA recognised as heat resisting with a maximum conductor operating temperature of 105°C. BS6231 specifies a maximum operating temperature of 90°C for continuous use. Annex A of BS6231 explains how under certain conditions these cables can operate at up to 105°C

**The British Cable Company You Can Trust**



**Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ**  
**Tel: 01302 821700 Email: sales@doncastercables.com**



# Doncaster Cables

## TRI-RATED SWITCHGEAR AND PANEL WIRING

These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers. They are intended for use at alternating voltages not exceeded 600 V to earth, and direct voltages not exceeded 1000V to earth.

When installed in the equipment they are suitable for wiring circuits for which the prescribed alternating test voltage does not exceed 4kV r.m.s for 1 minute.

By being approved to three international standards Tri-Rated cable is suitable for equipment installations required to meet both North American and European wiring regulations and codes of practice.



### Dimensional Details:

Product Code	Number and Nominal Cross Sectional Area of Conductors (mm <sup>2</sup> )	Nominal Stranding of Conductor (mm)	Nominal Overall Diameter (mm)	UL Style Number	Approximate Weight (kg/km)	Maximum Current Rating (Amperes)
TR0.5	0.5	16/0.2	2.6	1015	12	11
TR0.75	0.75	24/0.2	2.8	1015	15	14
TR1.0	1	32/0.2	3	1015	18	17
TR1.5	1.5	30/0.25	3.3	1015	23	21
TR2.5	2.5	50/0.25	3.7	1015	33	30
TR4.0	4	56/0.3	4.3	1015	51	41

### The British Cable Company You Can Trust



Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ  
Tel: 01302 821700 Email: sales@doncastercables.com



Doncaster **Cables**

**TRI-RATED**  
**SWITCHGEAR AND PANEL WIRING**

TR6.0	6	84/0.3	5.3	1015	73	53
TR710	10	80/0.4	7.1	1015	124	75
TR716	16	126/0.4	8.7	1028	200	100
TR725	25	196/0.4	10.3	1283	295	136
TR735	35	276/0.4	11.7	1283	406	167
TR750	50	396/0.4	14.5	1283	614	204
TR770	70	360/0.5	16.7	1284	795	259
TR795	95	475/0.5	18.9	1284	1011	321
*TR8120	120	608/0.5	20.4	1284	1256	374

Weight and dimensional information is provided as an approximate guide only.

\*Not BASEC approved

Current Ratings Based On:

1. Single conductor in free air
2. Ambient temperature of 35°C
3. Conductor temperature rise of 35°C

**The British Cable Company You Can Trust**



**Sales Office: Millfield Industrial Estate, Arksey Lane, Bentley, Doncaster, South Yorkshire, DN5 0SJ**  
**Tel: 01302 821700 Email: sales@doncastercables.com**