



## Tri-Rated White PVC Cable

Our tri-rated white PVC cable is a high temperature, flame retardant electrical copper cable used in installations of large area loop systems.

It is sold in reels of 100m and offered in several diameters which have different conductance, resistance, and current rating levels.

contacta 

CABLE-0.5TRI-WH / CABLE-1.0TRI-WH /  
CABLE-1.5TRI-WH / CABLE-2.5TRI-WH

### Applications

All cables can be used in installations of large area loop systems in a variety of settings such as:

- Classrooms
- Theatres
- Places of worship
- Sports arenas
- Conference centres



Talk to us now:  
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## Physical / Technical Data

Construction	HT-PVC insulation	
Finish	White	
Conductor	Plain copper wire - flexible class 5	
Packing	100M spool	
Functional Characteristics	Rated voltage	600 V a.c. - 750 V d.c. (UL - CSA)
	Uo/U	600/1000 V a.c. - 1000 V d.c. to ground (BS)
	Uo/U	450/750 V a.c. - 675 V d.c. to ground (HD)
	Max. operating temperature	105°C (UL - CSA) 90 °C (BS - HD)
	Min. operating temperature	-15°C (without mechanical shocks)
	Max. short circuit temperature	160°C
Special Features	Good endurance properties, good abrasion resistance, easy stripping.	
	Thermal endurance properties (temperature index TI): 110°C referring to 20.000 hours (CEI EN 60216-1)	
Installation Conditions	Minimum installation temperature	5°C
	Recommended minimum bending radius	6 times the cable diameter
	Recommended maximum tensile stress	50 N/mm <sup>2</sup> of the cross-section of the copper
Use and Installation Method	High temperature cables designed for use on internal wiring appliances and for the wiring of switch, control and instruments panels of power switchgear.	
	Also used as connection of cable for motors and transformers.	

Size (mm / AWG)	Approx. Conductor Diameter	Average Insulation Thickness	Max External Diameter	Max Electrical Resistance at 20oC (Ohm/kg)	Approx cable weight (kg)	Current Rating in Air at 45°C
0.5 (22)	0.9 (0.04")	0.8 (0.03")	2.6 (0.1")	39.00	11kg (256lbs)	11A
1.0 (18)	1.3 (0.05")	0.8 (0.03")	2.9 (0.11")	19.50	16kg (353lbs)	17A
1.5 (16)	1.5 (0.06")	0.8 (0.03")	3.2 (0.12")	13.3	21kg (46.3lbs)	21A
2.5 (14)	2.0 (0.07")	0.8 (0.03")	3.6 (0.14")	7.98	30kg (661lbs)	30A