

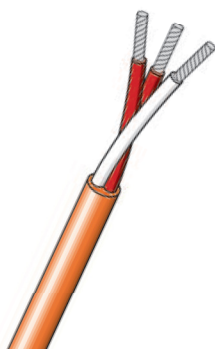
RTD (Resistance Thermometer) Cables

PFA Insulated RTD Cables -75°C to +250°C

- 2, 3, 4, 6 or 8 cores of 7/0.2mm diameter twisted conductors overall PFA sheath for use up to 250°C. Tinned copper braid and Mylar® aluminium tape screen option.

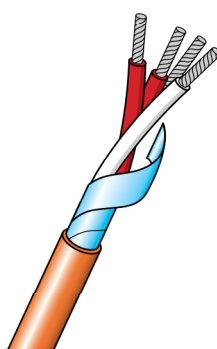
- Cores colour coded:-
2 core: 1 cores red and 1 core white
3 core: 2 cores red and 1 core white
4 core: 2 cores red and 2 cores white
6 core: 3 cores red and 3 core white
8 core: 4 cores red and 4 core white
Outer sheath: Orange

- Ideal for general purpose applications



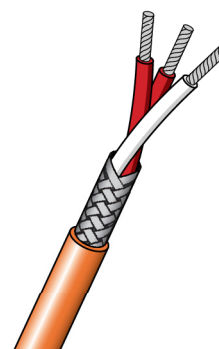
PFA Insulated

Cores of stranded copper conductors. Cores PFA insulated and bunched together. PFA sheathed overall.



PFA Insulated with Screen

Cores of stranded copper conductors. PFA extruded, bunched together and screened with Mylar aluminium tape and drain wire. PFA sheathed overall.



PFA Insulated with Metal Braid

Cores of stranded copper conductors. Cores PFA insulated. Cores bunched together. Nickel plated copper wire braided. PFA sheathed overall.

Stock Number				RT38	RT48	RT39	RT49	RT69	RT27	RT37	RT47	RT67	RT82	RT87
CONDUCTORS	Number of Strands			7	7	7	7	7	7	7	7	7	7	7
	Size of Strand	Diameter (mm)		0.2	0.125	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
		Total Area (mm ²)		0.22	0.09	0.06	0.06	0.06	0.22	0.22	0.22	0.22	0.22	0.22
		Approx. Gauge	SWG	36	38	31	31	31	36	36	36	36	36	36
	AWG		32	35	29	29	29	32	32	32	32	32	32	
	Insulation			PFA			PFA			PFA				
CORES	Number of Cores			3	4	3	4	6	2	3	4	6	8	8
	Laid Flat or Twisted			Twisted			Twisted			Twisted				
	Screen*			No			Yes			Yes				
OVERALL	Insulation			Thin PFA			PFA			PFA				
	Insulation Rating (°C)	Continuous		-75 to +250			-75 to +250			-75 to +250				
		Short Term		+300			+300			+300				
	Colour Coding			Yes			Yes			Yes				
	Physical Properties	Abrasion Resistance		Good			Very Good			Very Good				
		Moisture Resistance		Good			Very Good			Very Good				
		Typical Weight (Kg/100m) (excluding reel)		1	2	1	1.1	1.5	3	2	2	3	3	5
	Diameter under Armour (mm)			—			—			—				
	Diameter over Armour (mm)			—			—			—				
Overall Diameter [†] (mm)			2.1	2.1	2.2	2.4	2.9	3	3	3	4	3	5	
Notes				Round section. Rejects electromagnetic interference.			Purity of cable is preserved due to sintering. Rejects electromagnetic interference.			Gas, steam and water tight insulation. Rejects electromagnetic and electrostatic interference. Round section.				

* Aluminised Mylar® tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. Where cables incorporate a metal braid, the braid can be used as a screen.

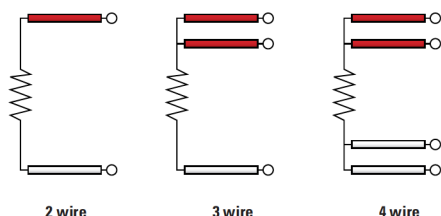
† These values are nominal and if critical to your application, please request a physical check.

The above cables where applicable have cores which are colour coded in accordance with IEC 60751:2008 and BS EN 60751.

These cables are normally available from us for immediate delivery from stock.

If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.

Colour Codes (as per IEC 60751)



2 wire

3 wire

4 wire

Order Code - Example

Stock No.

RT37

These cables are for use with RTD Resistance Thermometers.

These cables are normally available from us for **immediate** delivery from stock to IEC 60751 colour coding.