



A range of wire for use with RTD Sensors in PVC, PFA, Fiberglass and MICA insulation available from stock for immediate delivery

PVC Insulated RTD Wire -30°C to +105°C

- . 2, 3, 4, 6 or 8 cores of 24 or 20 AWG diameter twisted conductors PVC insulated with tinned copper braid and overall PVC sheath for use up to 220°F
- Cores color coded:-

2 core: 1 cores red and 1 core white

3 core: 2 cores red and 1 core white

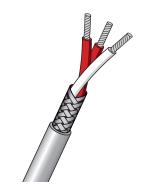
4 core: 2 cores red and 2 cores white

6 core: 4 cores red and 2 cores white

8 core: 4 cores red and 4 cores white

Outer sheath: Grey

Ideal for general purpose applications



Heat Resistant PVC Insulated with Metal Braid

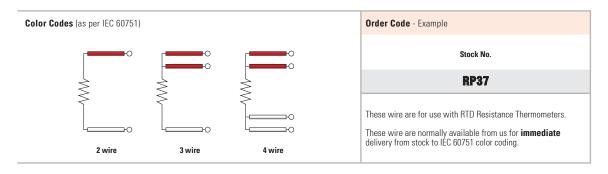
Cores of stranded copper conductors. Cores heat resistant PVC insulated. Cores bunched together. Tinned copper wire braided. heat resistant PVC sheathed overall.

		Stock Number	RP27	RP37	RP47	RP67	RP87	RP33	RP43	
RS	Wire Type (nun	iber of strands x AWG)	7x32	7x32	7x32	7x32	7x32	13x32	13x32	
CONDUCTORS	Total Wire Size	- AWG (S = Stranded)	24\$	24\$	24S	24S	248	21\$	21S	
NDN	Total Area (mm	2)	0.22	0.22	0.22	0.22	0.22	0.44	0.44	
00	Insulation				Hea	nt Resistant	PVC			
S	Number of Pair	s	2	3	4	6	8	3	4	
CORES	Conductor Conf	figuration	Twisted							
ပ	Shielded*		Yes							
	Insulation		Heat Resistant PVC							
	Insulation	Continuous				-22 to +220				
	Rating (°F)	Short Term	_							
_	Color Coding		Yes							
OVERALL		Abrasion Resistance	Good							
VE	Physical Properties	Moisture Resistance	Very Good							
0		Typical Weight (lbs/1000ft) (excluding reel)	14	14	21	28	55	55	68	
	Diameter under	r Armor (inches)				_				
	Diameter over	Armor (inches)				_				
	Overall Diamet	er† (inches)	0.16"	0.16"	0.20"	0.24"	0.28"	0.20"	0.24"	
		Notes		eral use in norm Round section.	al ambient appl	ications. Reject	s electromagne	etic and electro	static	

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

These wire 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.



Where wire incorporate a metal braid, the braid can be used as a shield. These values are nominal and if critical to your application, please request a physical check.

PFA Insulated RTD Wire -100°F to +480°F

- 2, 3, 4, 6 or 8 cores of twisted conductors overall PFA sheath for use up to 480°F. Tinned copper braid and Mylar® aluminium tape shield option.
- Cores color 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: 4 cores red and 2 cores white

8 core: 4 cores red and 4 cores white

Ideal for general purpose applications



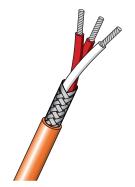
PFA Insulated

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



PFA Insulated with Shield

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



PFA Insulated with Metal Braid

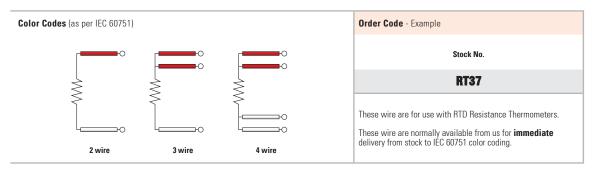
Cores of stranded copper conductors. Cores PFA insulated. Cores bunched together. Nickel plated copper wire braided. PFA sheathed overall. Orange outer sheath (also available with a black outer, please suffix order code with a 'B' e.g. RT37B).

	Stock Number											
	Stock Humber	RT38	RT48	RT39	RT49	RT69	RT27	RT37	RT47	RT67	RT82	RT87
Wire Type (num	nber of strands x AWG)	7x32	7x36	7x29	7x29	7x29	7x32	7x32	7x32	7x32	7x29	7x32
Total Wire Size	- AWG (S = Stranded)	24\$	26S	30S	30S	30S	24\$	24S	24S	24S	30S	24S
Total Area (mm	²)	0.22	0.124	0.05	0.05	0.05	0.22	0.22	0.22	0.22	0.05	0.22
Insulation		PF	A		PFA				PF	-A		
Number of Pairs	s	3	4	3	4	6	2	3	4	6	8	8
Conductor Conf	iguration	Twis	sted		Twisted				Twi	sted		
Shielded*		N	0		Yes				Ye	es		
Insulation		Thin	PFA		PFA				PF	-A		
Insulation	Continuous	-100 to	+480		100 to +48	0			-100 to	0 +480		
Rating (°F)	Short Term	+5	70		+570		+570					
Color Coding		Ye		Yes		Yes						
	Abrasion Resistance	Go	od		Very Good	ı	Very Good					
Physical Properties	Moisture Resistance	Go	od		Very Good	i			Very	Good		
•	Typical Weight (lbs/1000ft) (excluding reel)	7	14	7	8	11	21	14	14	21	21	34
Diameter under	Armor (inches)	_	_		_				_	_		
Diameter over A	Armor (inches)	_	_		_				_	_		
Overall Diamete	er† (inches)	0.08"	0.08"	0.09"	0.10"	0.11"	0.12"	0.12"	0.12"	0.16"	0.12"	0.20"
	Notes					:						agnetic
	Total Area (mm Insulation Number of Pair Conductor Conf Shielded* Insulation Insulation Rating (°F) Color Coding Physical Properties Diameter under Overall Diamet	Number of Pairs Conductor Configuration Shielded* Insulation Insulation Rating (°F) Color Coding Physical Properties Moisture Resistance Typical Weight (Ibs/1000ft) (excluding reel) Diameter under Armor (inches) Diameter over Armor (inches) Overall Diameter* (inches)	Total Area (mm²) 0.22	Total Area (mm²) Insulation PFA Number of Pairs 3 4 Conductor Configuration Twisted Shielded* Insulation Insulation Rating (°F) Short Term Abrasion Resistance Physical Properties Moisture Resistance Typical Weight (Ibs/1000ft) (excluding reel) Diameter under Armor (inches) Overall Diameter* (inches) Notes Notes Outlined 1 0.22 0.124 At a conductor Configuration Twisted No Twisted No Thin PFA -100 to +480 -1	Total Area (mm²) Insulation PFA Number of Pairs 3 4 3 Conductor Configuration Shielded' Insulation Insulation Rating (°F) Short Term Color Coding Abrasion Resistance Physical Properties Moisture Resistance Typical Weight (lbs/1000ft) (excluding real) Diameter over Armor (inches) Overall Diameter' (inches) Notes Notes Round section. Rejects electromagnetic interference. Resistance Rejects ele interference	Total Area (mm²) 0.22 0.124 0.05 0.05 Insulation	Total Area (mm²) 0.22	Total Area (mm²)	Total Area (mm²) 0.22 0.124 0.05 0.05 0.05 0.22 0.22	Total Area (mm²)	Total Area (mm²) 0.22	Total Area (mm²) 0.22 0.124 0.05 0.05 0.05 0.22 0.22 0.22 0.22 0.05

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

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

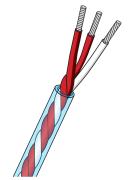
These wire are normally available from us for immediate delivery from stock. If you have any specific requirements regarding cable lengths please let us know so that we may make a satisfactory offer to meet your needs.



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

Other PFA Insulated RTD Wire -100°F to +390°F

- 1, 3, 4 or 6 cores of PFA insulated wire for use up to 390°F.
- Cores color coded:-
 - 3 core: 2 cores red and 1 core white
 - 4 core: 2 cores red and 2 cores white
 - 6 core: 4 cores red and 2 cores white
 - 8 core: 4 cores red and 4 cores white
 - Outer sheath: Orange
- Ideal for general purpose applications



PFA / Silicone Rubber Insulated Cores of **stranded** copper conductors. Cores PFA insulated. Cores bunched together. Silicone Rubber sheathed overall



PFA 'single' One core of stranded copper conductor PFA insulated. Red or White available.

TEF7R	TEF7W	TEF2R	TEF2W				
7x32	7x32	7x32	7x32				
24S	24S	24S	24S				
0.22	0.22	0.03	0.03				
	PI	A					
1	1	1	1				
_							
No							
PFA							
	-100 to	+480					
	+5	70					
Red	White	Red	White				
	Very	Good					
	Very	Good					
<7	<7	<7	<7				
_							
_							
<0.04"	<0.04"	<0.04"	<0.04"				
Ideal for u	se in sensor	manufactu	re or for				

short extensions.



PFA Insulated with Stainless Steel Braid Cores of stranded copper conductors, PFA insulated and bunched together with overall stainless steel braid.

RT32/SSB	RT37/SSB				
7x28	7x32				
30\$	24\$				
0.05	0.22				
PFA					
3	3				
Twisted					
Yes					
PFA					
-100 to	+480				
+5	70				
Ye	es				
Very	Good				
Very	Good				
7	14				
_					
_					
0.08"	0.1"				
Rejects electroma					

electrostatic interference Round section.

		Stock Number	RS37	RS47	RS67	RS87	
RS	Wire Type (nun	nber of strands x AWG)	7x32	7x32	7x32	7x32	
CTO	Total Wire Size	e - AWG (S = Stranded)	24\$	24S	24S	24S	
CONDUCTORS	Total Area (mm	n ²)	0.22	0.22	0.22	0.22	
00	Insulation			PI	-A		
S	Number of Pair	's	3	4	6	8	
CORES	Conductor Con	figuration		Twi	sted		
၁	Shielded*			N	lo		
	Insulation			Silicone	Rubber		
	Insulation	Continuous -40 to +390					
	Rating (°F)	Short Term		-50 to	+480		
_	Color Coding			Y	es		
OVERALL		Abrasion Resistance		Go	od		
VE	Physical Properties	Moisture Resistance		Very	Good		
0		Typical Weight (lbs/1000ft) (excluding reel)	14	21	21	28	
	Diameter unde	r Armor (inches)		_	_		
	Diameter over Armor (inches)		_				
	Overall Diamet	er† (inches)	0.16"	0.16"	0.20"	0.20"	
		Notes	Rejects ele		tight insula		

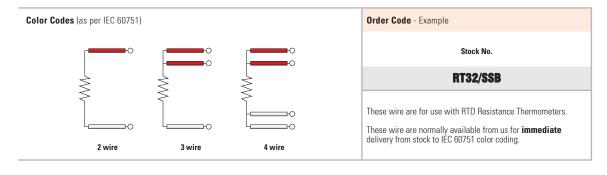
Where wire incorporate a metal braid, the braid can be used as a shield. These values are nominal and if critical to your application, please request a physical check.

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interference. Round section.



Fiberglass Insulated RTD Wire -60°C to +480°C

- 3, 4, or 6 cores of 24 AWG bunched conductors fiberglass with fiberglass overall with a stainless steel braid overall.
- Cores color coded:-3 core: 2 cores red and 1 core white 4 core: 2 cores red and 2 cores white 6 core: 4 cores red and 2 cores white
- Suitable for use at normal air ambient temperatures where there is a possibility of a hot spot which might damage lower rated wire such as PVC or PFA



Fiberglass Insulated with Stainless Steel Braid

Cores of **stranded** copper conductors. Cores double glass lapped, glass fibre braided and varnished. Cores bunched together, glass fibre braided overall and impregnated with silicone varnish. Stainless steel braid overall.

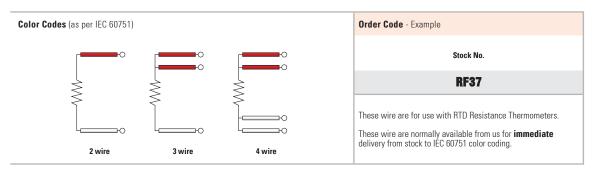
		Stock Number	RF37	RF47	RF67		
RS	Wire Type (num	nber of strands x AWG)	7x32	7x32	7x32		
CONDUCTORS	Total Wire Size	e - AWG (S = Stranded)	24\$	24\$	24\$		
N D	Total Area (mm	n ²)	0.22	0.22	0.22		
00	Insulation			Fiberglass			
S	Number of Pair	rs	3	4	6		
CORES	Conductor Con	figuration		Twisted			
S	Shielded*			Yes			
	Insulation			Fiberglass			
	Insulation	Continuous		+870			
	Rating (°F)	Short Term		+1000			
_	Color Coding			Yes			
OVERALL		Abrasion Resistance		Good			
VEI	Physical Properties	Moisture Resistance		None			
	_	Typical Weight (lbs/1000ft) (excluding reel)	14	21	28		
	Diameter unde	r Armor (inches)		_			
	Diameter over	Armor (inches)	_				
	Overall Diamet	ter† (inches)	0.12"	0.16"	0.20"		
		Notes	maintained to tl	e integrity of the ne upper insulation tole is not flexed p	on rating limit		

- Where wire incorporate a metal braid, the braid can be used as a shield. These values are nominal and if critical to your application, please request a physical check.

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

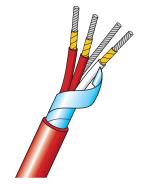
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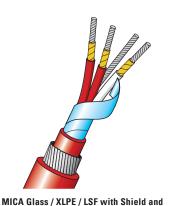


XLPE Insulated Twisted with Shield (Low Smoke and Fume) -22°F to +165°F

- 3 or 6 cores of 20 AWG twisted conductors. The cable incorporates a high temperature rated MICA glass tape with a XLPE (Cross Linked Polyethylene) insulation on the cores and Low Smoke and Fume material on the bedding and/or outer sheath
- Sheathing materials are Halogen free
- Essential for situations where it is of strategic importance to ensure that the cable continues to function during a major crisis involving fire



MICA Glass / XLPE / LSF with Shield Cores of stranded copper conductors, MICA glass taped and XLPE insulated. Cores bunched and shielded with Mylar® aluminium tape and drain wire. LSF sheathed overall.



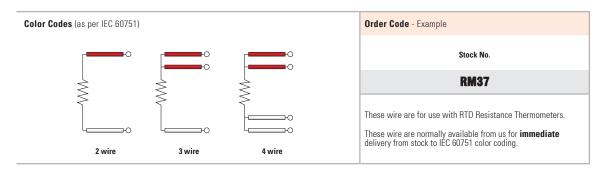
Armor Cores of stranded copper conductors, MICA glass taped and XLPE insulated. Cores bunched and shielded with Mylar® aluminium tape and drain wire. LSF sheathed. Steel wire armored and LSF sheathed overall

					sheathed overall.	
		Stock Number	RM37	RM67	RM37/SWA	RM67/SWA
CONDUCTORS	Wire Type (number of strands x AWG)		7x28	7x28	7x28	7x28
CTO	Total Wire Size	- AWG (S = Stranded)	20\$	20\$	20\$	20\$
NDN	Total Area (mm²	2)	0.5	0.5	0.5	0.5
00	Insulation		MICA a	nd XLPE	MICA a	nd XLPE
S	Number of Pairs	S	3	6	3	6
CORES	Conductor Confi	iguration	Twi	sted	Twi	sted
၁	Shielded*		Y	es	Ye	es
	Insulation		L	SF	LS	SF
	Insulation	Continuous	-22 to	+165	-22 to	+165
	Rating (°F)	Short Term	_	_	_	_
_	Color Coding		Y	es	Ye	es
OVERALL		Abrasion Resistance	Go	ood	Go	od
)VE	Physical Properties	Moisture Resistance	Very	Good	Very	Good
J		Typical Weight (lbs/1000ft) (excluding reel)	68	89	218	340
	Diameter under	Armor (inches)	_	_	8	11
	Diameter over A	Armor (inches)	_	_	10	13
	Overall Diamete	er† (inches)	0.31"	0.43"	0.51"	0.63"
		Notes	Excellent for signal contil Free of Halogens. Round electromagnetic and elec		Excellent for signal continuation Free of Halogens. Round electromagnetic and electromagnetic and electromagnetic for mechanical states.	trostatic interference.

Aluminised $Mylar^{\circ}$ tape in contact throughout by a bare 7/0.3mm diameter tinned copper drainwire. These values are nominal and if critical to your application, please request a physical check.

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PVC Insulated Multi Triads and Multi Quads RTD Wire -22°F to +220°F

- Incorporates Heat Resistant (HR) PVC suitable for use in the temperature range -22°F to +220°F
- Extremely useful where there is a need to run a number of RTD signals back to instrumentation
- 20 AWG conductors PVC insulated and grouped in triads or quads with overall copper wire braid and overall PVC sheath



Multi Triad PVC Insulated

Triads of stranded copper conductors. Triads HR PVC insulated. Triads bunched together. Tinned copper wire braided. HR PVC sheathed



Multi Quad PVC Insulated

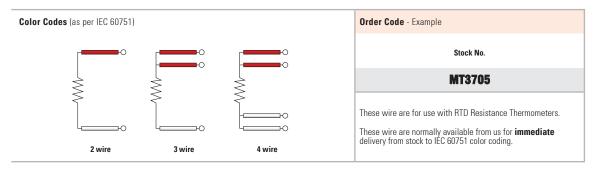
Quads of stranded copper conductors. Quads HR PVC insulated. Quads bunched together. Tinned copper wire braided. HR PVC sheathed overall.

		Stock Number	MT3705	MT3710	MT3715	MT4705	MT4710	MT4715	
CONDUCTORS	Wire Type (number of strands x AWG)		7x32	7x32	7x32	7x32	7x32	7x32	
	Total Wire Size - AWG (S = Stranded)		24S	24\$	24\$	24\$	24\$	24\$	
	Total Area (mm²)		0.22	0.22	0.22	0.22	0.22	0.22	
	Insulation			Heat Resistant PVC		Heat Resistant PVC			
	Number of Pai	rs	5 x 3	10 x 3	15 x 3	5 x 4	10 x 4	15 x 4	
CORES	Conductor Configuration			Twisted		Twisted			
ວ	Shielded*			Yes			Yes		
	Insulation		Heat Resistant PVC			Heat Resistant PVC			
	Insulation Continuous		-22 to +165			-22 to +165			
	Rating (°F)	Short Term		_		_			
	Color Coding			Yes		Yes			
ALL		Abrasion Resistance		Good		Good			
OVERALL	Physical Properties	Moisture Resistance		Very Good		Very Good			
0	Тторонноо	Typical Weight (lbs/1000ft) (excluding reel)	89	150	198	109	184	259	
	Diameter unde	Diameter under Armor (inches)		_			_		
	Diameter over	Diameter over Armor (inches)		_			_		
	Overall Diame	ter† (inches)	0.4"	0.5"	0.6"	0.4"	0.6"	0.7"	
		Notes	Rejects electromagne	tic and electrostatic inter	ference. Round section.	Rejects electromagnet	ic and electrostatic inter	ference. Round se	

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

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