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THERMOCOUPLES AND RTD SENSORS



Cost effective Quality sensors

THERMOCOUPLES AND RTD SENSORS + Manufacturers of Quality sensors since 1978

Simplicon is a specialised manufacturer of temperature sensors viz. Thermocouples and RTDs in India. We expertise in making only Thermocouples and RTDs in a large array of designs.

Simplicon was established in 1978 with a view to provide good quality replacements of thermocouples and RTDs for European, American and Japanese machines in India. Our director's shop floor experience as service engineer for control panel and drives for different type of Plastic machinery, helped us understood the problems of temperature sensing, shop-floor handling, maintenance and designed the sensors accordingly.

Today, we at Simplicon, are well versed with international product requirements through exhibitions in USA and Germany since 2004 and also through our business partners in many countries including USA, UK, Belgium, Israel, Switzerland, Thailand, and many others. We use best quality raw materials available from Europe, USA and India. Our production process is set to provide excellent piece to piece accuracy and reliability. We help you take into account the minutest details of proper sensing, fitments, easy replacement, space constraints, vibrations, leads (wires) breakage and terminations.

Today we cater to more than twenty industries (Plastics, Pharma, Power, Test Lab..) and can make most of the designs for any machines or equipments. Since its inception, our motto to provide good quality temperature sensors is still the driving force behind the company. It has now become our identity. The passion for excellence in quality continues....

Thermocouples

+ (-50⁰ to 1100⁰ C)

- Type K (Cr/Al), Type J (Fe/Con).
- Pipe or MI construction.
- Grounded, Isolated (un-grounded), open junction.
- Simplex and Duplex types.
- As per ASTM E230 or IEC 60584-1 Standard.
- Color codes as per IEC, American, British, Japanese.
- Diameter from 1mm diameter onwards.

RTD Sensors

+ (-150⁰ to 600⁰ C)

- PT100, PT1000, Ni120, Ni1000, etc...
- Pipe or MI construction
- 2 wire or 3 wire system
- Simplex and Duplex types
- PT100 in Class B, Class A, 1/3 DIN accuracy
- As per IEC 60751
- From 3mm diameter onwards

We can make a special one for you

- + If you do not find here, the design you use, consult us.
- We make over 100 unique designs each with over 10 variations.
- We can make as per your requirements.

THERMOCOUPLES AND RTD SENSORS

For Barrels, Pipeline, etc..



102



103



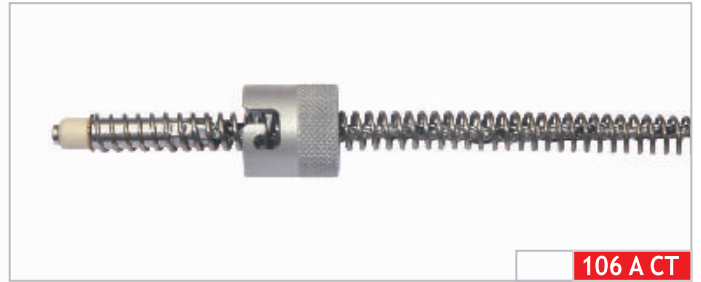
106 A



106 AC



106 MI



106 A CT



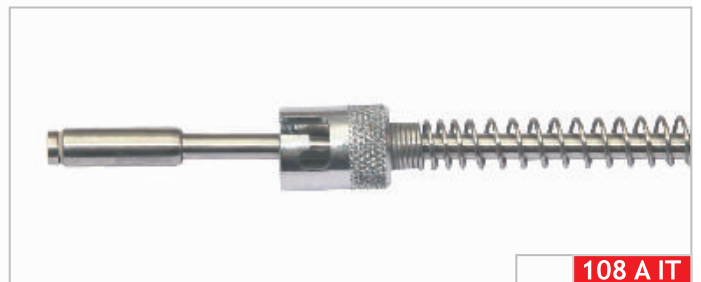
107 A



107 DA



108 A



108 A IT



113



112 H1

BOLT IN



THERMOCOUPLES AND RTD SENSORS

For Nozzles, Dies, Moulds, Equipments, Furnaces, Ovens, etc..



109 FB



109 FBT



109 FB 90



109 BT



112 FB



116



129 C



129 HC

MELT SENSORS

THERMOCOUPLES AND RTDs SENSORS

For Plastic Melt



120 MB

SURFACE ON



THERMOCOUPLES AND RTD SENSORS

For Dies, Moulds, Equipments, etc..



MI SENSORS

THERMOCOUPLES AND RTD SENSORS

For Hot-runners, Nozzles, Gold melts, Furnaces, etc..



THERMOCOUPLES AND RTD SENSORS

For Dryers, Coolers, Equipments, Ovens, Furnaces, etc..



11



11 90



11 TT



11 T



11 NI



11 AG



11 SL



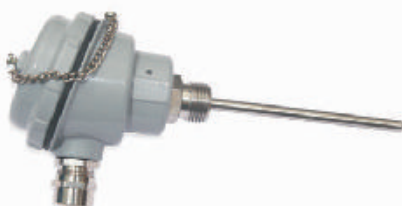
11 GP



11 AG C



01



01 E



01 AG

FITTINGS FOR



THERMOCOUPLES AND RTD SENSORS

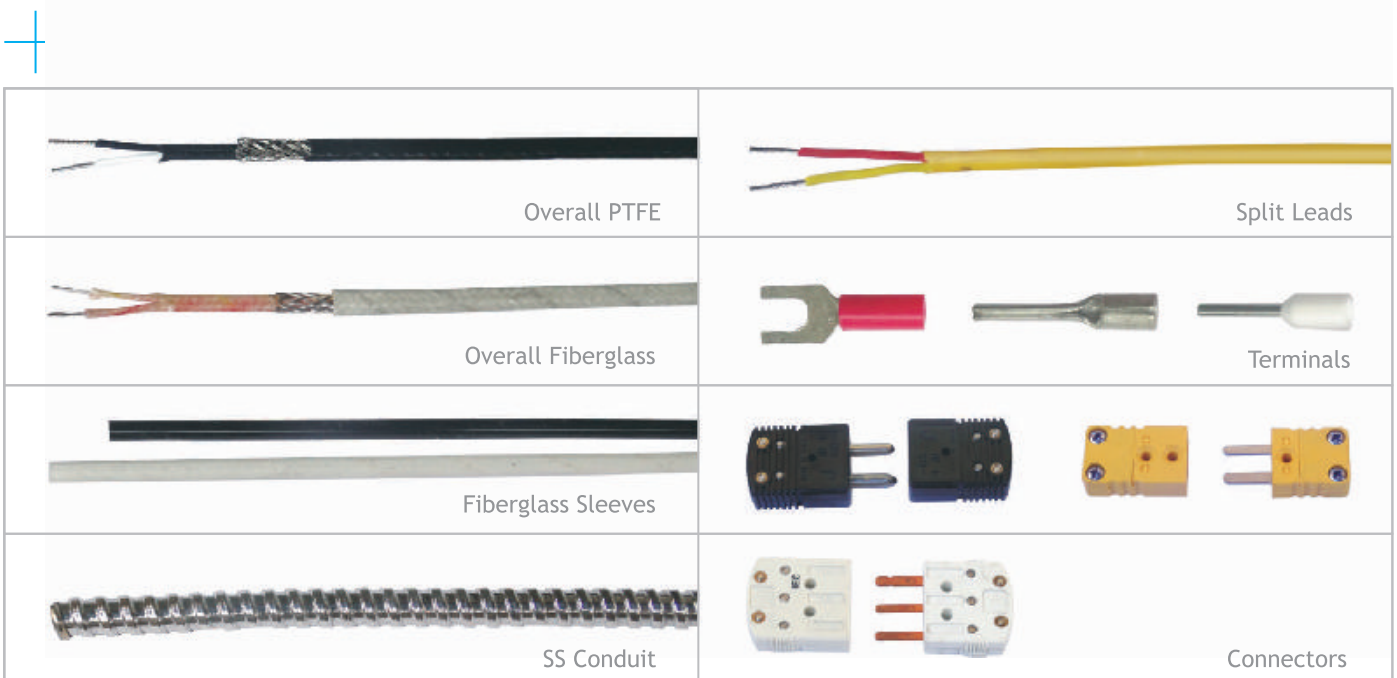
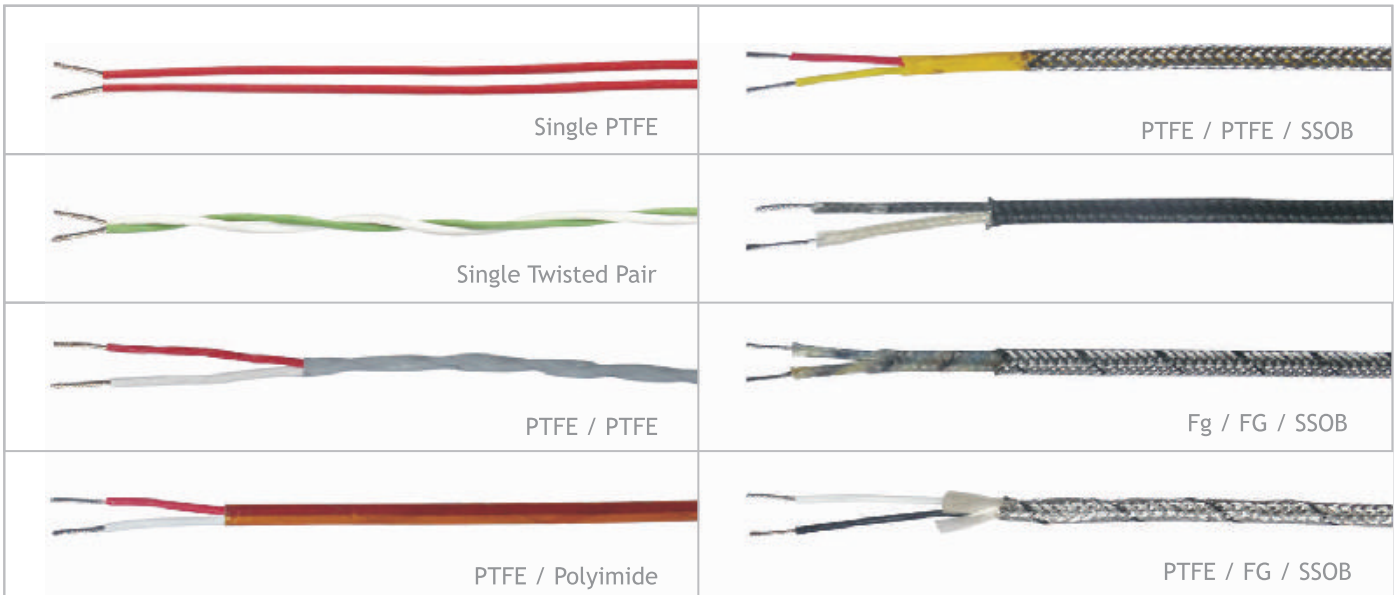
+ Adaptors, Glands (compression fittings)



SELECTION OF

Cables, Wires, Additional Protection, Terminations




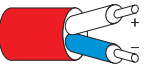

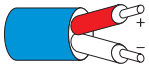

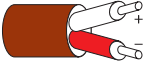


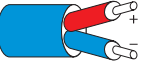
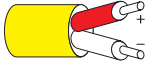





























+ Wires and Cables



THERMOCOUPLES + International colour codes for Thermocouples



International Colour Codes for Thermocouples
Original Grade and Extension Grade

Type	IEC 584-3	American MC-96.1 / E 230		British (BS 1843)	German (DIN 43714)	Japanese (JIS 1610)
		Original Grade	Extension Grade			
K						
J						
T						
E						
N						
R						
S						
B						

*for IEC 584 intrinsically safe circuits standard, the outer colour code is blue for all types. Inner colour code remains the same.



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