

CUSTOM WIRE

Style	Calibration	Conductor Gauge	Insulation Code	Options	Length
<p>IW Insulated Thermocouple Grade Wire Meets all standards set by NIST Available in J,T,E, & K calibrations</p> <p>XW Insulated Thermocouple Extension Wire Used to carry a signal rather than measure temperature. Available in J,T,E,K,R,S,B,RTD</p> <p>MPW Insulated Multi-Pair Thermocouple Extension Wire. Aluminum backed Mylar wrap. Drain wire included. Used to carry a signal rather than measure temperature. Available in J,T, & K Calibrations. See "Options "(top right) Select Number of Paired Wire</p> <p>BW BARE Thermocouple Wire Used to measure Temperature. Available in J, T, E, K, R, S, B</p> <p>EW Insulated Electrical Wire Available in CU only.</p>	<p>J +Iron - Constantan</p> <p>T + Copper - Constantan</p> <p>E + Chromel - Constantan</p> <p>K + Chromel - Alumel</p> <p>R 13%Rh-Pt vs Pt</p> <p>S 10%Rh-Pt Vs Pt</p> <p>B 30%Rh-Pt Vs 6% Rh-Pt</p> <p>RTD Nickel Plated Cooper</p> <p>CU Copper Alloy</p>	<p>14</p> <p>16</p> <p>18</p> <p>20</p> <p>24</p> <p>26</p> <p>28</p> <p>30</p> <p>36</p> <p>40</p> <p>Solid Wire is Standard For Stranded Wire add "S" after the gauge. Example: 20 S</p>	<p>PP Polyvinyl (PVC)</p> <p>FF FEP Teflon</p> <p>TT PFA Teflon</p> <p>KK KAPTON</p> <p>GG FIBERGLASS</p> <p>HH HIGH TEMP FIBERGLASS</p> <p>RR REFRASIL</p> <p>NN NEXTEL</p>	 <p>Choose No. of Pair 4, 8, 12, 16,20,24</p> <p>Number of Paired wire for MPW</p> <p>SSOB Stainless Steel Overbraid</p> <p>ARCA Armored Cable</p> <p>SLE Special Limits of Error</p>	<p>SPECIFY</p> <p>LENGTH</p> <p>IN</p> <p>FEET</p>

MPW - K - 20 - PP - 8 - 250
 Sample Part Number

Insulation Code	Insulation Temp Range	Comments	Insulation Code	Insulation Temp Range	Comments
PP Polyvinyl (PVC)	-40 to 221°F -40 to 105°C	Color Coded PVC extruded Over each bare Wire. PVC applied over Insulated Primaries	GG FIBERGLASS	-100 to 900°F -73 to 482°C	Glass yarn braided over each conductor. Impregnated with Silicon Varnish, then covered together with glass braid. Varnish improves moisture and abrasion, but is destroyed above 400°F
FF FEP Teflon	-328 to 392°F -200 to 200°C	Color Coded FEP extruded Over each bare Wire. PVC applied over Insulated Primaries. Superior abrasion and Moisture Resistance. Same as PFA but lower Temperature Rating.	HH HIGH TEMP FIBERGLASS	-100 to 1300°F -73 to 704°C	High Temp. Glass braid over each conductor and binder impregnated. Overall high temp glass braid applied and bindered. Binder improves abrasion and moisture resistance, but is destroyed above 400°F
TT PFA Teflon	-450 to 500°F -267 to 260°C	Color Coded FEP extruded Over each bare Wire. PVC applied over Insulated Primaries. Superior Abrasion and Moisture Resistance. Same as FEP but higher Temperature Rating.	RR REFRASIL	-100 to 1600°F -73 to 871°C	Braid of Vitreous Silica Fiber applied to each bare wire. Then Overall. Applicable to 1800°F if not subjected to abrasion or flexing. Poor Abrasion resistance.
KK KAPTON	-450 to 600°F -267 to 316°C	Fused Kapton Tape is applied to conductors. Excellent Abrasion and Moisture Resistance. Retains much physical integrity after gamma radiation. FEP is used as adhesive binding agent.	NN NEXTEL	0 to 2200°F -73 to 1204°C	High Temperature Alumina - Boria - Silica Ceramic Fiber braided over each conductor, then overall. Not recommended for Platinum T/C's or Exposure to Molten Tin & Copper, Hydrofluoric or Phosphoric Acids, or Strong Alkalies.