

MPV

*Iron vs. Constantan	JX	White/Red	Black	+32°F (0°C) to +400°F (+204°C)	± 4°F (2.2°C)	± 2°F (1.1°C)
Chrome® vs. Alumel®	KX	Yellow/Red	Yellow	+32°F (0°C) to +400°F (+204°C)	± 4°F (2.2°C)	± 2°F (1.1°C)
Copper vs. Constantan	TX	Blue/Red	Blue	-75°F (-60°C) to +210°F (+100°C)	± 2°F (1.1°C)	± 1°F (.5°C)
Chromel® vs. Constantan	EX	Purple/Red	Purple	+32°F (0°C) to +400°F (+204°C)	± 3°F (1.7°C)	± 2°F (1.1°C)
Nicrosil vs. Nisil	NX	Orange/Red	Orange	+32°F (0°C) to +400°F (+204°C)	± 4°F (2.2°C)	± 2°F (1.1°C)
Copper vs. Copper Alloy	SX / RX	Black/Red	Green	+75°F (+25°C) to +400°F (+204°C)	± 9°F (5°C)	

NOTE: Percent limits apply directly to temperature in °C units, but for °F equivalents are applied to the numbers of °F above or below the ice point (+32°F).
 (i.e. Limit (°F) = (Temp. °F-32°F) x Percentage)
 Thermocouple wire cannot be expected to meet the limits of error at temperatures below the ice point unless specified at time of purchase.
 * Magnetic

CHROMEL® and ALUMEL® are registered trademarks of Hoskins Manufacturing Company.

Non-UL Physical Properties			Gauge	Nominal Insulation Wall (in.)	Nominal Jacket Wall (in.)	Nominal Diameter (in.)	Approx. Ship. Wt (lbs) per M
Characteristics	Insulation	Jacket					
Specific Gravity	1.25 - 1.38	1.25 - 1.38	16	.015	.020	.207	33
Tensile Strength, psi (min)	2100	2100					
Elongation, % (min)	250	250					
Minimum Bend Radius		10 x O.D.	16 7/24	.015	.020	.213	.35
Abrasion Resistance	Good	Good					
Cut Through Resistance	Good	Good					
Moisture Resistance	Excellent	Excellent	20	.015	.020	.169	18
Solder Iron Resistance	Poor	Poor					
Service Temperature	221°F (105°C) continuous 302°F (150°C) 96 hrs.	221°F (105°C) continuous 302°F (150°C) 96 hrs.	20 7/28	.015	.020	.181	19
Flame Test	Self-extinguishing	Self-extinguishing					

Non UL Physical Properties			Gauge	Nominal Insulation Wall (in.)	Nominal Jacket Wall (in.)	Nominal Diameter (in.)	Approx. Ship. Wt (lbs) per M
Characteristics	Insulation	Jacket					
Specific Gravity	1.25 - 1.38	1.25 - 1.38	16	.015	.035	.237	33
Tensile Strength, psi (min)	2100	2100					
Elongation, % (min)	250	250					
Minimum Bend Radius		10 x O.D.	16 7/24	.015	.035	.243	.41
Abrasion Resistance	Good	Good					
Cut Through Resistance	Good	Good					
Moisture Resistance	Excellent	Excellent	20	.015	.035	.199	24
Solder Iron Resistance	Poor	Poor					
Service Temperature	221°F (105°C) continuous 302°F (150°C) 96 hrs.	221°F (105°C) continuous 302°F (150°C) 96 hrs.	20	.015	.035	.199	24
Flame Test -Flame Test for Single Conductor -Cable Tray - Ribbon Burner -70,000 BTU/HR	Passed UL 13 IEEE383	Non Propagating	20 7/28	.015	.211	.135	25

Pricing Policy: Shipments will be invoiced at PMC's prices in effect at time of shipment. Quotations are given with an escalation clause and prices, terms, and conditions are subject to change without prior notice. PMC will however, make every attempt to hold to current quoted prices. All prices are in United States currency, and shall be subject to correction for errors, unless otherwise stated in writing to PMC.

Reels, Spools & Coils: All shipments, unless specified otherwise by PMC, are made on non-returnable reels, spools or coils in one continuous length.

Shortages & Returns: All claims for shortage or incorrect material must be made within 10 days after receipt of the goods to which such claim pertains. Goods may only be returned for credit within 1 month of the date of authorization. Goods that are special in any way shall not be returned to PMC. Material returned for any reason, without written authorization will be refused and returned at shipper's expense. A return request must be processed through our Manchester, N.H. sales office.

Tolerances: Due to allowances in manufacturing processes for wire, cable and similar products, PMC-A Division of R-SCC reserves the right to ship

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