

Model Number

045

HIGH TEMP, LOW NOISE TWISTED SHIELDED CABLE

Revision: NR

ECN #:

	ENGLISH	SI	
Performance			
Number of Conductors	2	2	
Cable Style	Multi Conductor - Shielded - Low Noise Twisted Pair	Multi Conductor - Shielded - Low Noise Twisted Pair	
Cable Configuration			
Environmental			
Temperature Range	-130 to +500 °F	-90 to +260 °C	
Electrical			
Impedance (± 5 ohm)	50 ohm	50 ohm	[1]
Capacitance (± 5 pF/ft) (conductor to conductor @ 70 °F (21 °C))	35 pF/ft	114.83 pF/m	
Noise Level (pk - pk)	<20 mV	<20 mV	
Physical			
Cable Jacket Diameter	0.204 in	5.18 mm	[1]
Cable Jacket Material	PFA Teflon	PFA Teflon	
Cable Jacket Color	Red	Red	
Conductor Style	Stranded - 7 Strands 30 AWG	Stranded - 7 Strands 30 AWG	
Conductor Material	Nickel Plated Copper	Nickel Plated Copper	
Conductor Diameter (22 AWG)	0.030 in	0.762 mm	[1]
Insulation Material Over Conductor(s)	Extruded PTFE Teflon	Extruded PTFE Teflon	
Shield Type Over Bundle	Braid: 85% Minimum Coverage	Braid: 85% Minimum Coverage	
Shield Material Over Bundle	Nickel Plated Copper Graphite	Nickel Plated Copper Graphite	
Low Noise Barrier Material (Over Conductor)	Impregnated Teflon Tape	Impregnated Teflon Tape	
Low Noise Barrier Material (Over Insulator)	Graphite Impregnated Teflon Tape	Graphite Impregnated Teflon Tape	
Low Noise Barrier Material (Over Bundle)	Graphite Impregnated Teflon Tape	Graphite Impregnated Teflon Tape	
Bend Radius (minimum)	2 in	50.8 mm	
Weight	0.434 oz/ft	40.32 gm/m	[1]

All specifications are at room temperature unless otherwise specified.

In the interest of constant product improvement, we reserve the right to change specifications without notice.

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OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

[1] Typical.

Entered: <i>let</i>	Engineer: <i>DWP</i>	Sales: <i>ES1</i>	Approved: <i>ma</i>	Spec Number:
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Date: <i>9/20/05</i>	Date: <i>9/20/05</i>	Date: <i>9/26/05</i>	Date: <i>9/20/05</i>	31749
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 **IMI SENSORS**
A PCB PIEZOTRONICS DIV.

IMI Sensors
3425 Walden
Depew, NY 14043
Phone: 800-959-4464
Fax: 716-684-3823
E-Mail: imi@pcb.com