



# Irravin™ B XLPVC - 600V, 105°C Military MIL-W-16878/1

## Application

Irravin™ B wire is a MIL spec approved hook-up wire. The irradiated cross-linked insulation system has been specially compounded to provide a wire that has thermoset characteristics. It will not melt or flow when overheated or contacted by a hot soldering iron. It has excellent mechanical strength, cut-through performance, and good fluid resistance. Irravin™ B may be used for internal wiring of electronic equipment such as control systems, power supplies, computers, and instrumentation apparatus. Please refer to Section 1, Page E-5 for appropriate UL and CSA listings.

## Conductor

Soft annealed tinned copper, stranded as listed below.

## Insulation

Irradiated cross-linked polyvinylchloride, meeting the requirements of the DDA 1010 specification. The insulated conductor will pass the flame test requirement of VW-1. Wall thicknesses are listed below.

## Approvals & Ratings

105°C conductor temperature, 600 volt.  
MIL-W-16878/1.

Product Number	Conductor Size		Stranding	Insulation Wall		Nominal Diameter	
	(AWG)	(mm <sup>2</sup> )		(Inch)	(mm)	(Inch)	(mm)
M16878/1-BBB	30	.06	7/38	.0105	.27	.033	.84
M16878/1-BCA	28	.08	SOLID	.0105	.27	.035	.89
M16878/1-BCB	28	.09	7/36	.0105	.27	.036	.91
M16878/1-BDA	26	.13	SOLID	.011	.28	.038	.96
M16878/1-BDB	26	.14	7/34	.0105	.27	.040	1.02
M16878/1-BDE	26	.15	19/38	.0105	.27	.041	1.04
M16878/1-BEA	24	.20	SOLID	.011	.28	.042	1.07
M16878/1-BEB	24	.23	7/32	.0105	.27	.044	1.12
M16878/1-BEE	24	.24	19/36	.0105	.27	.045	1.14
M16878/1-BFA	22	.32	SOLID	.011	.28	.047	1.19
M16878/1-BFB	22	.35	7/30	.0105	.27	.051	1.29
M16878/1-BFE	22	.38	19/34	.0105	.27	.053	1.35
M16878/1-BGA	20	.52	SOLID	.011	.28	.054	1.37
M16878/1-BGB	20	.56	7/28	.0105	.27	.059	1.50
M16878/1-BGE	20	.62	19/32	.0105	.27	.061	1.55
M16878/1-BHA	18	.82	SOLID	.011	.28	.062	1.57
M16878/1-BHB	18	.90	7/26	.0105	.27	.069	1.75
M16878/1-BHE	18	.96	19/30	.0105	.27	.070	1.80
M16878/1-BJE	16	1.23	19/29	.011	.28	.076	1.93
M16878/1-BKE	14	1.94	19/27	.011	.28	.089	2.26

1. Wires are available in most solid colors.