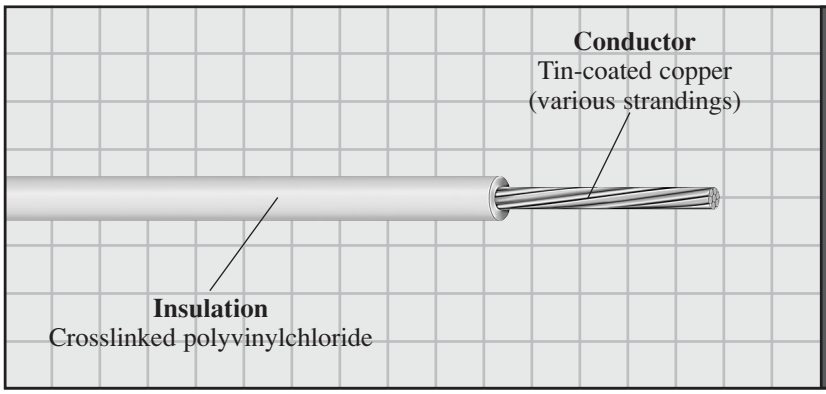

Irravin™ C XLPVC - 1000V, 105°C

Military

MIL-W-16878/2

Application

Irravin™ C wire is a general purpose 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™ C 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-6 for appropriate UL and CSA lisitings.

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, 1000 volt.
MIL-W-16878/2.

Product Number	Conductor Size (AWG)	(mm²)	Stranding	Insulation Wall (Inch)	(mm)	Nominal Diameter (Inch)	(mm)
M16878/2-BDB	26	.14	7/34	.017	.43	.053	1.35
M16878/2-BEA	24	.20	SOLID	.017	.43	.054	1.37
M16878/2-BEB	24	.23	7/32	.017	.43	.058	1.47
M16878/2-BFA	22	.32	SOLID	.017	.43	.059	1.50
M16878/2-BFB	22	.35	7/30	.017	.43	.064	1.62
M16878/2-BFE	22	.38	19/34	.017	.43	.066	1.68
M16878/2-BGA	20	.52	SOLID	.017	.43	.066	1.68
M16878/2-BGB	20	.56	7/28	.017	.43	.072	1.83
M16878/2-BGE	20	.62	19/32	.017	.43	.074	1.92
M16878/2-BHE	18	.96	19/30	.017	.43	.081	2.06
M16878/2-BJE	16	1.23	19/29	.018	.46	.090	2.29
M16878/2-BKE	14	1.94	19/27	.019	.48	.105	2.67
M16878/2-BLE	12	3.08	19/25	.019	.48	.124	3.15

1. Wires are available in most solid colors.

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