

**SUMITOMO ELECTRIC INTERCONNECT PRODUCTS (M) SDN. BHD.**

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**SPECIFICATION**

**FOR**

Lead-Free IRRAX<sup>®</sup> V<sub>2</sub> Insulated Wire

UL AWM 1571 LF

AWG32 (7/0.08) OM-1

Prepared by	Approved by
ENGINEERING	ENGINEERING
26 MAY 2005	26 MAY 2005
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TITLE : TECHNICAL SPECIFICATION FOR LEAD-FREE IRRAX WIRE

SEPM Specification No.: E1-IV-050515

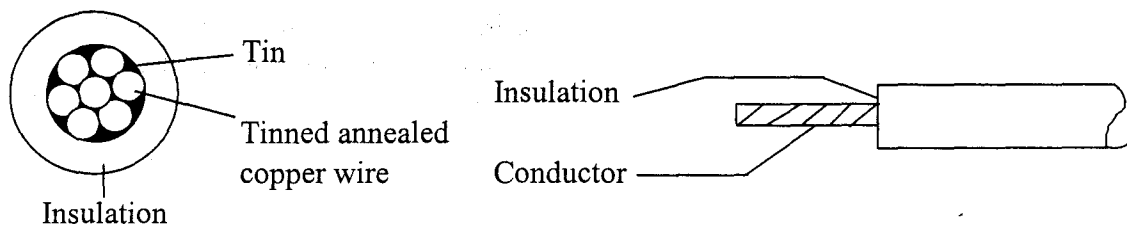
1. Scope

This specification covers the constructions and properties of Lead Free IRRAX<sup>®</sup> V2 insulated wire.

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2. Construction and properties

The construction of wires shall be complied with following and table 1.



3. Applied Specification

3-1 UL Standard 758

3-2 UL Standard 62

4. File list No.

4-1 UL File No.: E41105

4-2 -F- Mark Registered No.: F- SEM1-003

4-3 JET Registration No.: Z004AA0603-001

Max. limit of insulation material registered temperature : 95°C

5. Packing

Standard unit length of finished wire shall be 1000m (3280ft) in reel, and it shall be packed not to be damaged during transportation.

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Table 1 - Construction and Properties

Item		Unit	Details
Conductor	Material	--	Tinned annealed copper wire(OM-1)
	Size	AWG	32
	Composition	No./mm	7/0.08
	Nom.dia.	mm	0.24
Insulation	Material	--	Lead Free IRRAX <sup>®</sup> V <sub>2</sub>
	Nom.thick	mm	0.15
	Nom.dia.	mm	0.54
Temperature rating		°C	80
Voltage rating		Vrms	30
Conductor resistance (at 20°C)		Ω/km	Max.589
Insulation resistance (at 20°C)		MΩ-km	Min. 15
Dielectric strength		ACV / 1Min.	500
Soldering test for insulation		--	Do not melt at 250°C for 1 min
Flame Test		--	Complying with VW-1

Insulation color:

We have standard colors which are Black, Red, Yellow, Blue and White.