



日進電線股份有限公司

NIZING ELECTRIC WIRE & CABLE CO., LTD.

GREEN WIRE FOR OUR EARTH

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WIRE/CABLE SPECIFICATION (線材規格書)

Standard		AWM UL2517 EMI Shielded Thermocouple lead Cable J-Type IEC 16AWG x 12P 105°C 300V				
Item（項目）			Unit （單位）	Specification （規格值）		Tolerance （容差）
General Specification（線種規格）			AWG	16		
No. of Inner Cords（芯線數）			PCs	12P		
芯線結構	Conductor 導體	Material（材質）	-----	JP+ Iron	JN - Cu-Ni	
		Structure（結構）	No.×mm	4 / 0.6		
		Stranded Diameter（絞線外徑）	mm	1.40		±0.05
	Insulation 絕緣	Material（材質）	-----	PVC		
		Average Thickness（平均厚度）	mm	0.52		±0.05
		Color（顏色）	-----	Black	White	
	Inner wire Diameter（芯線完成外徑）		mm	2.45		±0.15
Shielding 隔離		Shielding Material（材質）	-----	Aluminum Foil		
		Braided Coverage（遮蔽率）	%	125		
		Average Thickness（平均厚度）	mm	0.05		±0.05
1P Inner wires stranding diameter（1P總絞合外徑）			mm	5.0		±0.55
12P Inner wires stranding diameter（12P總絞合外徑）			mm	20.0		±1.0
Shielding 隔離	1st Layer 第一層	Shielding Material（材質）	-----	Aluminum Foil		
		Braided Coverage（遮蔽率）	%	125		
		Average Thickness（平均厚度）	mm	0.05		±0.02
	2nd Layer 第二層	Shielding Material（材質）	-----	Tinned Copper		
		Braided Coverage（遮蔽率）	%	75		
		Average Thickness（平均厚度）	mm	0.24		±0.05
總集合	Inner wires stranding diameter（總絞合外徑）		mm	20.6		
Jacket 外被		Material（材質）	-----	PE		
		Average Thickness（平均厚度）	mm	1.50		±0.75
		Color（顏色）	mm	Black		
Overall Outer Diameter（最後完成外徑）			mm	23.60		±1.5
Electric Characters 電氣特性		Rated Temperature（額定溫度）	°C	105		
		Rated Voltage（額定電壓）	V-AC	300		
		Resistance of Insulation （水中常溫絕緣阻抗，20°C）	MΩ/km	50		
		Withstand Voltage Spark （火花試驗）	KV/Sec	2		
Marking		芯線白色印字：1、2、3、4、5、6、7、8、9、10、11、12				
		外被: JX IEC 584-3 AWG 16 x 12P EMI Shielded Thermocouple lead Cable PVC UL2517 105°C 300V				
Certification		IEC 584-3、UL2517				



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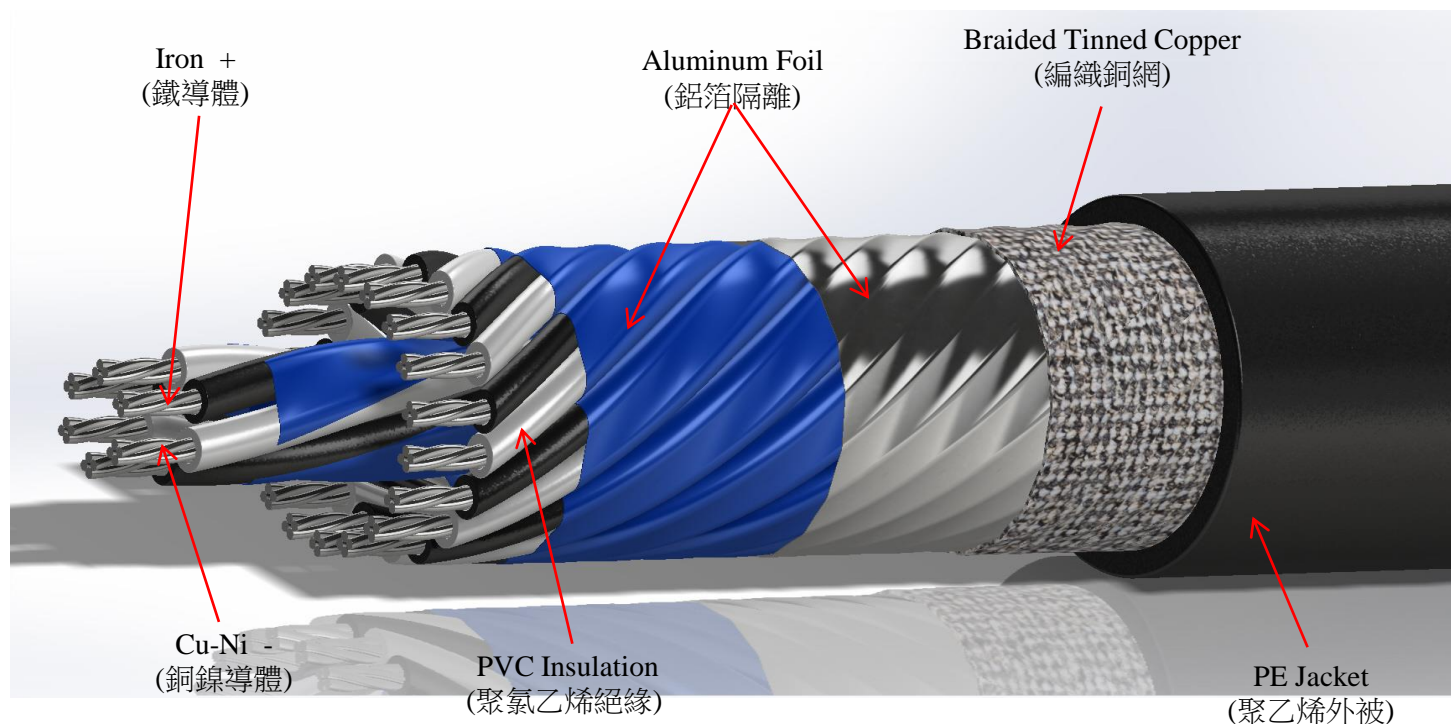
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Standard

PE PVC Multi-logarithmic EMI Shielded Thermocouple lead Cable J-Type IEC 16AWG x 12P 105°C 300V

Structural Configuration (結構圖):



Product sectional view (產品剖面圖):





Style 2517 Multiple-conductor cable using non-integral jacket

Rating	105 deg C, 300 Vac, Cable Flame.		
Insulated Conductor	Labeled or complying with Manufacturer's AWM Procedure. 40 AWG minimum.		
Assembly	Consists of two or more singles, twisted pairs or groups of twisted singles twisted together. The singles or groups of singles may be laid parallel forming a flat, oval or round cable. The lay of the conductors are not specified. A barrier layer and/or fillers are optional. Manufacturer shall maintain a complete description of each assembly. May use same or mixed AWG size.		
Covering	Optional.		
Shield	Optional.		
Jacket	Extruded PVC.		
	<u>Diameter of Core Assembly under Jacket@</u>	<u>Minimum Average Thickness</u>	<u>Minimum Thickness at any point</u>
	0.700 inch or less	30 mils	24 mils
	0.701 - 1.000 inch	45 mils	36 mils
	1.001 - 1.500 inch	60 mils	48 mils
	1.501 - 2.500 inch	80 mils	64 mils
	@ - Major diameter if cable is flat or oval.		
Covering	Optional, braid.		
Standard	Appliance Wiring Material UL 758.		
Marking	General.		
Use	External interconnection of electronic equipment or internal wiring of electronic equipment or appliances. Tags may also indicate the following: "600 Volts peak for Electronic Use Only".		

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