

Specification Acknowledgment

Customer Name _____

Customer Material No. _____

Product Name. _____ **UL10362-18AWG** _____

Product Style. _____ **18AWG** _____

Version No. _____ **A1** _____

Pages. _____ **2Page** _____

No. _____ **TFL2014/07/24-03** _____

Date _____ **2014-07-24** _____

Engineering accreditation

Engineering accreditation

SPECIFICATION

Client Number		Product Name	UL wire	UL No.	E252458
TYPE	UL 10362	Construction	19/0.235 TPC	Rating voltage	600V
Guage	18AWG			Rating Temperature	250℃

I Technology Parameter

Item	Unit	Testing Condition	Standard Request
Conductor	Construction	N/mm	19/0.235 ± 0.004 TPC
	Conductor resistance	ohm/km	≤ 23.5
Insulation	Material	----	PFA(ROHS)
	Color		--
	Avg. thickness	mm	0.26
	Min thickness	mm	0.23
	Diameter	mm	1.72 ± 0.1 MM

II Electric and Physics capability

Finish product voltage test		Tap water room temperature for 1H	2kV/min	PASS
Spark test		V/0.15s	6kV/AC	PASS
Insulation	Unaged	Elongation	to be tested at a speed of 500±25 mm/min.	≥ 200%
		Tensile Strength		≥ 17.2MPa
	Aged	Elongation	Aged in a full-draft circulating-air oven for 287±1.0℃ 168h	≥ 85%
		Tensile Strength		≥ 85%
Flame Test			VW-1	PASS
ROHS Test		EU-Directive 2002/95/EC (ROHS)		PASS

III Product Schematic Drawing



IV、 Marking

AWM 10362 E252458 PFA 18AWG 250℃ 600V VW-1 IRONFLON ROHS					
Edition	A/1	Date	2014-7-24	pages	2
Engineering accreditation		Design		Review	
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