



規 格 書

SPECIFICATION



PURCHASER	
PRODUCTS NAME	XL-PVC Insulated Hook-Up Wire UL1430(LF)
SPEC. NUM.	BDD-98118 (D31XA-)
REFE.SPEC.	UL SUB. 758 & CSA C22.2 NO.127
DATE	2009.08.03

AUTHORIZED BY	APPROVED BY	DESIGNED BY

PURCHASER RECOGNITION

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Description:

UL1430(LF) XL-PVC Insulated Hook-Up Wire	
Size	16AWG ~ 28AWG
Rating	105°C , 300V
Conductor	Tinned annealed copper wire
Insulation	Lead Free XL-PVC
Packing	The wire shall be delivered coiled in specified length, and the interval joint may exist.
Marking	1430 E41396  AWM VW-1 105°C 300V PACIFIC CSA TYPE REW (XLPVC) FT1 LL30062 105°C 300V NO.AWG -F- LF IRRADIATED R3
<p>Note: 1. Marking may be some modification which must be complied with UL and CSA requirements.</p> <p>2. The Lead Free Wire can meet EU RoHS requirements.</p> <p>3. UL1430 28AWG: UL approved only and marking shall be : " 1430 E41396  AWM VW-1 105°C 300V PACIFIC 28AWG -F- LF IRRADIATED R3 "</p>	

Construction:

Construction of Conductor		Conductor Overall Diameter	Insulation Nominal Thickness	Approximate Overall Diameter	Maximum Conductor Resistance
AWG	No./mm	mm	mm	mm	Ω/km(20°C)
28	7/0.127	0.38	0.4	1.18 ±0.08	239
26	7/0.16	0.48	0.4	1.28 ±0.08	150
24	11/0.16	0.61	0.4	1.41 ±0.08	94.2
22	17/0.16	0.76	0.4	1.56 ±0.08	59.4
20	21/0.18	0.95	0.4	1.75 ±0.1	36.7
18	34/0.18	1.2	0.4	2.0 ±0.1	23.2
16	26/0.254	1.5	0.45	2.4 ±0.1	14.6

Electrical Properties:

Spark Test	3000V/0.15sec
Dielectric Test	2000V/1min

Physical Properties:

Insulation:	
Tensile Strength (min)	1500PSI
Elongation (min)	100%
Aging test	136°C for 168 hours
Tensile Strength (min)	70%
Elongation (min)	65%

Deformation Test	The thickness of insulation shall not decrease more than 50% when subjected to a temperature of 121°C for 1 hour and loaded a 250 grams weight.
Heat Shock Test	No crack shall be shown on the surface after 1 hour at 136°C when the finished wire tightly wound for 6 turns onto a mandrel of two times diameter.
Cold Bend Test	No crack shall be shown on the surface after 4 hours at -10°C when the finished wire tightly wound for 6 turns onto a mandrel of two times diameter.
Flame Retardant Test	UL subject 758 VW-1

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