

SPECIFICATION FOR APPROVAL



1.CONSTRUCTION

RATED VOLTAGE	UL 10269 50mm ²		REVISION:	A/0	FORM NO.	B274
	1250V DC		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	50mm ²	 			
	Material	Stranded Tinned Copper				
	Conductor.Size (mm)	1596/0.20				
	approx. Stranded OD.(mm)	9.83				
Insulation	Material	PVC				
	AVG Thickness (mm)	2.03				
	Min Thickness (mm)	1.83				
	OD.(mm)	14.20±0.25				
	Color	Black				

2.MECHANICAL CHARACTERISTICS

ITEM	SPECIFICATION	
Insulation		
Elongation	Un-aged	≥100%
Strength		≥10.3MPa
Elongation	Temp. Rating 136±2℃×168h	Residual elongation ≥65%
Strength		Residual Tensile Strength ≥70%
Flame test	VW-1/FT1	PASS
Rated temperature	105℃	

3.ELECTRICAL CHARACTERISTICS

ITEM	SPECIFICATION
Max. Conductor DC Resistance at 20℃	≤0.393Ω/km
Dielectric Strength	3kV/min
Spark test	10000VAC

4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard:
E522621	UL1581&UL758

5.MARKING

E522621  AWM STYLE 10269 50mm² 105℃ 1000V VW-1 SUNKEAN CABLE CO.,LTD.  AWM I A 105℃ 1000V FT1 RoHS COMPLIANT 

6.PACKING

(a) 305m

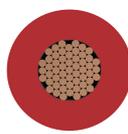
(b) Consulting if delivering in other ways

Part No.	Serial No.	Drawing	Checked	Approved	Date	APPROVED
104-T0150M-00201	001	Zoey	Max	Defree	2025/5/22	

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