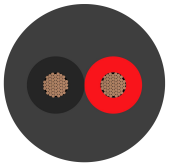
SPECIFICATION FOR APPROVAL

SUNKEAN

1.CONSTRUCTION

RATED VOLTAGE	DG 2Cx12AWG		REVISION:	A/1	FORM NO.	B274
	600V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	12AWG				
	Material	Stranded Bare Copper				
	Conductor.Size (mm)	65/0.254				
	Stranded OD.(mm)	2.36				
Insulation	Material	XLPE				
	AVG Thickness (mm)	0.76				
	Min Thickness (mm)	0.69				
	OD.(mm)	4.0±0.15				
	Color	Black、Red				
Jacket	Material	XLPE				
	AVG Thickness (mm)	1.14				
	Min Thickness (mm)	0.91				
	OD. (mm)	10.6±0.30				
	Color	Black				

LISTED





2.MECHANICAL CHARACTERISTICS

ITEM		SPECIFICATION	
		Insulation	Jacket
Elongation	Un-aged	≥150%	≥150%
Strength		≥10.34MPa	≥10.34MPa
Cold impact test	-40 ± 2.0°C	No cracking	
Flame test	VW-1	PASS	
UV resistance	720h	PASS	
Rated temperature	–40℃ up to +90℃		

3.ELECTRICAL CHARACTERISTICS

ITEM	SPECIFICATION
Max. Conductor DC Resistance at 20℃	≤5.43Ω/km
Dielectric Strength	3kV/min
Spark test	7500VAC

4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard：
E540388	UL3003&UL44&UL1581

5.MARKING

E540388 (UL) TYPE DG XHHW-2 2C/12AWG 90℃ WET OR DRY 600V DIR BUR SUN RES -40C COLD BEND SUNKEAN

6.PACKING

(a) 1KFT(305m)、2KFT(610m)、4KFT(1220m)

(b) Consulting if delivering in other ways

Part No.	Serial No.	Drawing	Checked	Approved	Date	APPROVED
DG2012-0102	001	Steven	Seven	Defree	2024/4/30	

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