

# SPECIFICATION FOR APPROVAL



## 1.CONSTRUCTION

RATED VOLTAGE	62930 IEC131/H1Z22-K 2X6mm <sup>2</sup>		REVISION:	A/0	FORM NO.	B274
	DC1500V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	9mm <sup>2</sup>				
	Material	Stranded Tinned Copper				
	Conductor Size (mm)	78/0.30				
Stranded OD,(mm)	3.05					
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD (mm)	4.45±0.10				
Outer Layer	Color	Black & Red				
	Material	XLPO				
	AVG Thickness (mm)	0.80				
	Min Thickness (mm)	0.58				
	OD (mm)	(6.10±0.15)/(12.50±0.30)	INNER AND OUTER LAYER IS INSEPARABLE.			
	Color	Black				

## 2.MECHANICAL CHARACTERISTICS

ITEM		SPECIFICATION	
		INNER LAYER	OUTER LAYER
Elongation	Un-aged	≥125%	≥125%
Strength		≥8MPa	≥8MPa
Cold bend test	(-40 ± 2.0°C × 10h)	No cracking	
Flame test	IEC60332-1	PASS	
Rated temperature	-40°C up to +90°C		
Thermal endurance properties	Elongation:50% Temperature Index:120		

## 3.ELECTRICAL CHARACTERISTICS

ITEM	SPECIFICATION
Max. Conductor DC Resistance at 20°C	≤3.30Ω/km
Dielectric Strength	6.5KV/5min
Spark test	1000V/AC
Insulation resistance at 20°C	≥510MΩ/km
Max. current at 60°C	70A

## 4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard:
J50477534&J50478015	IEC62930/EN50618

## 5.MARKING

the marking content of one side is:  
 (+) POLE SUNKEAN CABLE △ TÜV 62930 IEC131/H1Z22-K 6mm<sup>2</sup>  
 DC1.5KV (IEC62930/EN50618) HALOGEN FREE LOW SMOKE 125 °C SOLAR  
 DC CABLE —DO NOT DISCONNECT UNDER LOAD (+) POLE  
 (This is to be printed on red cord of figure 8 cable)

(-) POLE SUNKEAN CABLE △ TÜV 62930 IEC131/H1Z22-K 6mm<sup>2</sup> DC1.5KV  
 (IEC62930/EN50618) HALOGEN FREE LOW SMOKE 120 °C SOLAR DC  
 CABLE —DO NOT DISCONNECT UNDER LOAD (-) POLE

the marking content of the other side is: >1< to >100< >1< to >100<  
 note: the length of tail from >100< to the next starting of >1< is 1 meter.

## 6.Packing

- (a) 100m, 500m per drum
- (b) Consulting if delivering in other ways

Part No.	Serial No.	Drawing	Checked	Approved	Date	APPROVED
HZ2050-0101	001	Zoey Zhou	Seven Tang	Andy Zhao	2023/5/23	