

SPECIFICATION FOR APPROVAL



1.CONSTRUCTION

RATED VOLTAGE	62930 IEC131/H12222-K 2X10mm ²		REVISION:	A/0	FORM NO.	B274
	DC1500V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	10mm ²				
	Material	Stranded Tinned Copper				
	Conductor-Size (mm)	770.4				
	Stranded OD (mm)	3.95				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD (mm)	5.5±0.10				
Outer Layer	Material	XLPO				
	AVG Thickness (mm)	0.80				
	Min Thickness (mm)	0.58				
	OD (mm)	(7.2±0.15)~(14.7±0.30)				
	Color	Black & Red	INNER AND OUTER LAYER IS INSEPARABLE			

2.MECHANICAL CHARACTERISTICS

ITEM	SPECIFICATION	SPECIFICATION	
		INNER LAYER	OUTER LAYER
Elongation	Un-aged	≥125%	≥125%
Strength		≥8MPa	≥8MPa
Cold bend test	(-40 ± 2.0°C × 16h)	No cracking	
Flame test	IEC60332-1	PASS	
Rated temperature	-90 ℃ up to +90 ℃		
Thermal endurance properties	Elongation≥50%, Temperature index≥120		

3.ELECTRICAL CHARACTERISTICS

ITEM	SPECIFICATION
Max. Conductor DC Resistance at 20℃	≤1.95Ω/km
Dielectric Strength	5.5kV/5min
Spark test	1000VAC
Insulation resistance at 20℃	≥480MΩ/km
Max. current at 60℃	95A

4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard
J50477534&J50478016	IEC62930/EN50618

5.MARKING

the marking content of one side is:

(+) POLE SUNKEAN CABLE Δ TÜV 62930 IEC131/H12222-K 10mm² DC1.5KV (IEC62930/EN50618) HALOGEN FREE LOW SMOKE 120 °C SOLAR DC CABLE —DO NOT DISCONNECT UNDER LOAD (+) POLE

(This is to be printed on red card of figure 8 cable)

(-) POLE SUNKEAN CABLE Δ TÜV 62930 IEC131/H12222-K 10mm² 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
HZ2100-0101	001	Zocely Zhou	Seven Tang	Andy Zhao	2022/5/23	