

SPECIFICATION FOR APPROVAL

ELCON CABLES

1.CONSTRUCTION

RATED VOLTAGE	62930 IEC131/H1Z2Z2-K 2X16mm ²		REVISION:	A/0	FORM NO.	B274
	DC1500V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	16mm ²	  			
	Material	Stranded Tinned Copper				
	Conductor Size (mm)	120/0.35				
	Stranded OD (mm)	5.45				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD (mm)	6.90±0.15				
Outer Layer	Color	Black & Red				
	Material	XLPO				
	AVG Thickness (mm)	0.90				
	Min Thickness (mm)	0.67				
	OD (mm)	(8.80±0.25)*(17.9±0.40)				
	Color	Black				
			INNER AND OUTER LAYER IS INSEPARABLE			

2.MECHANICAL CHARACTERISTICS

ITEM		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	-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	≤1.24Ω/km
Dielectric Strength	0.5kV/3min
Spark test	10000VAC
Insulation resistance at 20°C	≥393MΩ/km
Max. current at 90°C	132A

4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard:
J50477534&J50479016	IEC62930/EN50616

5.MARKING

the marking content of one side is:

(+) POLE SUNKEAN CABLE △ TÜV 62930 IEC131/H1Z2Z2-K 16mm²
DC1.5KV (IEC62930/EN50616) HALOGEN FREE LOW SMOKE 120 °C SOLAR
DC CABLE —DO NOT DISCONNECT UNDER LOAD (+) POLE1
(This is to be printed on red cord of figure B cable.)
(-) POLE SUNKEAN CABLE △ TÜV 62930 IEC131/H1Z2Z2-K 16mm² DC1.5KV
(IEC62930/EN50616) 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
HZ2090-0102	001	Zosay Zhou	Seven Tang	Andy Zhao	2022/5/23	

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