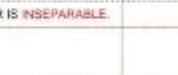


SPECIFICATION FOR APPROVAL

ELCON CABLES

1.CONSTRUCTION

RATED VOLTAGE		62930 IEC131/H122Z2-K 2X4mm ²	REVISION:	A/0	FORM NO.	B274
DC1500V			CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	4mm ²				
	Material	Stranded Tinned Copper				
	Conductor Size (mm)	52/0.3				
	Stranded OD (mm)	2.43				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD (mm)	3.86±0.10				
Outer Layer	Color	Black & Red				
	Material	XLPO				
	AVG Thickness (mm)	0.80				
	Min Thickness (mm)	0.58				
	OD (mm)	(5.99±0.20)(11.30±0.30)				
	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 Index120		

3.ELECTRICAL CHARACTERISTICS

ITEM		SPECIFICATION
Max. Conductor DC Resistance at 20°C		≤5.09Ω/km
Dielectric Strength		5.5KV/5min
Spark test		10000VAC
Insulation resistance at 20°C		≥709MΩ/km
Max. current at 30°C		55A

4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standards
J504775345,J50478016	IEC62930/EN50518

5.MARKING

the marking content of one side is:
 (+) POLE SUNKEAN CABLE △ TÜV 62930 IEC131/H122Z2-K 4mm²
 DC1.5KV (IEC62930/EN50518) HALOGEN FREE LOW SMOKE 120 °C SOLAR
 DC CABLE —DO NOT DISCONNECT UNDER LOAD (+) POLE
 (This is to be printed on red cord of figure 6 cable)
 (-) POLE SUNKEAN CABLE TÜV 62930 IEC131/H122Z2-K 4mm² DC1.5KV
 (IEC62930/EN50518) 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
HZ2040-0101	001	Zoey Zhou	Seven Tang	Andy Zhao	2022/5/23	

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