

# SPECIFICATION FOR APPROVAL

# SUNKEAN

## 1.CONSTRUCTION

RATED VOLTAGE	62930 IEC131/ H1Z2Z2-K 10mm <sup>2</sup>		REVISION:	A/0	FORM NO.	B274
	DC1500V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	10mm <sup>2</sup>				
	Material	Stranded Tinned Copper				
	Conductor.Size (mm)	77/ 0.40				
	Stranded OD.(mm)	4.05				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD.(mm)	5.50±0.10				
	Color	Black				
Outer Layer	Material	XLPO				
	AVG Thickness (mm)	0.80				
	Min Thickness (mm)	0.58				
	OD. (mm)	7.20±0.20				
	Color	Black				
INNER AND OUTER LAYER IS <b>INSEPARABLE</b> .						

## 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	≤1.95Ω/km
Dielectric Strength	6.5KV/5min
Spark test	10000VAC
Insulation resistance at 20°C	≥489MΩ/km
Max. current at 60°C	98A

## 4.STANDARD

PRODUCT STANDARD CERTIFICATION	Reference Standard:
R50477532&R50477533	EN50618&IEC62930

## 5.MARKING

SUNKEAN TÜV SOLAR CABLE 62930 IEC131/H1Z2Z2-K 10mm<sup>2</sup>  
DC1500V -40°C (IEC62930/EN50618) HALOGEN FREE LOW SMOKE  
SUNKEAN CABLE

## 6.PACKING

- (a) 250m、500m、1000m
- (b) Consulting if delivering in other ways

Part No.	Serial No.	Drawing	Checked	Approved	Date	APPROVED
HZ1100-0101	001	Ridge Feng	Seven Tang	Andy Zhao	2022/9/27	