

SPECIFICATION FOR APPROVAL

SUNKEAN

1.CONSTRUCTION

RATED VOLTAGE		62930 IEC131/ H1Z2Z2-K/ SKE-U 6mm ²	REVISION:	A/0	FORM NO.	B274
		DC1500V	CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	6mm ²				
	Material	Stranded Tinned Copper				
	Conductor.Size (mm)	78/0.30				
	Stranded OD.(mm)	3.00				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	0.70				
	Min Thickness (mm)	0.53				
	OD.(mm)	4.45±0.10				
Outer Layer	Material	XLPO				
	AVG Thickness (mm)	0.80				
	Min Thickness (mm)	0.58				
	OD. (mm)	6.10±0.15				
		Color	Black	INNER AND OUTER LAYER IS INSEPARABLE .		

2.MECHANICAL CHARACTERISTICS

ITEM	SPECIFICATION		
		INNER LAYER	OUTER LAYER
Elongation	Un-aged	≥175%	≥200%
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	≤3.39Ω/km
Dielectric Strength	6.5KV/5min
Spark test	10000VAC
Water resistant AD8 acc.to DIN VDE0285-525221/DIN EN50525-2-21 AnnexE	PASS
Insulation resistance at 20°C	≥610MΩ/km
Max. current at 60°C	72A

4.STANDARD

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

5.MARKING

SUNKEAN TÜV SOLAR CABLE SKE-U 62930 IEC131/H1Z2Z2-K 6mm²
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
HZ1060-0178	001	Zoey Zhou	Seven Tang	Andy Zhao	2023/2/15	