

# SPECIFICATION FOR APPROVAL



## 1.CONSTRUCTION

RATED VOLTAGE	62930 IEC131/ H1Z2Z2-K 50mm <sup>2</sup>		REVISION:	A/0	FORM NO.	B274
	DC1500V		CONSTRUCTION D.W.G			
Conductor	Cross-sectional Area	50mm <sup>2</sup>				
	Material	Stranded Tinned Copper				
	Conductor.Size (mm)	371/0.395				
	Stranded OD.(mm)	9.46				
Inner Layer	Material	XLPO				
	AVG Thickness (mm)	1.0				
	Min Thickness (mm)	0.8				
	OD.(mm)	11.60±0.25				
	Color	Black				
Outer Layer	Material	XLPO				
	AVG Thickness (mm)	1.2				
	Min Thickness (mm)	0.92				
	OD. (mm)	14.50±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 index≥120		

## 3.ELECTRICAL CHARACTERISTICS

ITEM	SPECIFICATION
Max. Conductor DC Resistance at 20°C	≤0.393Ω/km
Dielectric Strength	6.5kV/5min
Spark test	10000VAC
Insulation resistance at 20°C	≥314MΩ·km
Max. current at 60°C	276A

## 4.STANDARD

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

## 5.MARKING

SK-R TÜV 62930 IEC131/H1Z2Z2-K 50mm<sup>2</sup> IEC62930/EN50618 Dca AD7 DC1500V -40°C HALOGEN FREE LOW SMOKE SUNKEAN CABLE CE \*

NOTE:\* Represent meter marking, Meter marking like 0, 1, 2 until 99999.

## 6.PACKING

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

Part No.	Serial No.	Drawing	Checked	Approved	Date	APPROVED
PVG-T0150M-00601	001	Stone	Max	Defree	2025/11/3	