

DESCRIPTIONS

EN50618 6mm² Tinned Copper DC rated Voltage 1.8kV

STANDARDS

TÜV EN50618 H1Z2Z2-K file No.: No. B 004850 0002 Rev. 00

CABLE CONSTRUCTION



Conductor	Stranded tinned copper, IEC60228, cl5
Size	6mm ²
Stranding	84*0.29± 0.01mm
Diameter	3.0mm
Insulation material	XLPO e-beam cross-linked
Insulation thickness	0.7mm
Color	Black
Sheath material	XLPO e-beam cross-linked
Sheath thickness	0.8mm
Color	Black、 Red
Outer Diameter	6.0 ± 0.20mm

ELECTRICAL CHARACTERISTICS

Voltage Rating	U ₀ =1.5kV DC, Max.1.8kV
Ambient Temperature	-40°C up to 90°C, Max Temp at conductor +120°C
Insulation Resistance at 20°C	≥ 100 0 MΩ.km
Current carrying capacity at 60°C	70A
Spark test	10000 VAC
Voltage Withstand	6500 VAC
Conductor Resistance at 20°C	≤ 3.39 Ω/km

MECHANICAL FEATURE

Bending Radius	
Dynamic	≥ 5 X O.D.
Static	≥ 4 X O.D.
Ozone resistant	EN60811-403 Method A;EN 50396 8.1.3 Method B
Weathering/UV resistance	EN50289-4-17
Halogen free	IEC 60754-1
Flame retardant	IEC 60332-1-2
Shortage circuit temperature	250°C for 5s
Weight	78KG/KM
Anticipated service life	25years

PRINT LEGEND

Customized or General as:
SHANGHAI KUKA CABLE EN50618 H1Z2Z2-K 1X6mm² 1.0KV AC 1.5KV DC + Meter mark

PACKING

- a)1000M/roll, 12rolls/pallet, 20pallets/20FCL (240KM);
b)Consulting if delivering in other ways.