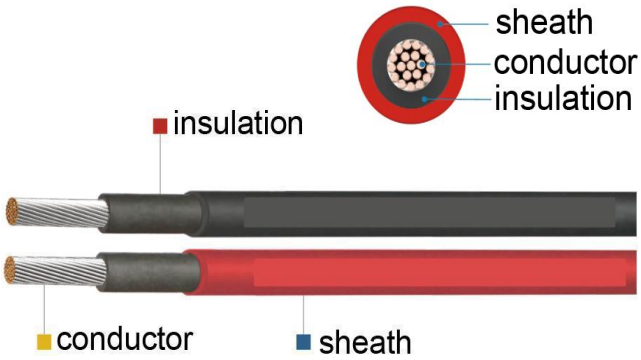
（Technical Specification For Cable）

Ref. No		DC Solar PV cable
Standard		TUV SUD EN50618:2014
Construction		H1Z2Z2-K 1x4mm²
Conductor		
Cross Section	mm²	4mm²
Construction	mm	56x0.29（±0.015）
Material	—	Tinned copper wire
O.D	mm	2.35
Insulation		
Material	—	125℃ Electron-beam Irradiated XLPO
Avg.Thick	mm	0.75
Min.Thick	mm	0.55
O.D	mm	4.1（±0.1）
Color	—	Black
Jacket		
Material	—	125℃ Electron-beam Irradiated XLPO
Avg.Thick	mm	0.8
Min.Thick	mm	0.58
O.Dmm	mm	5.8±0.2
Color	—	Black/ Red/Grey/Brown
Marking		
TUV SUD EN50618:2014 H1Z2Z2-K(CQC NB/T42073-2016 PV-(WD)YJYJ) DC 1.5KV 1X4mm²		
Marking		
Standard export: 100 M /Roll ,250 M /Roll ,500 M /Roll ,1000 M /Drum ,2500 M /Drum ,5000 M /Drum		

Construction Figure



Electrical Characteristics
Rated Voltage (V) AC Uo/U1.0/1.0KV , DC1.5KV
Conductor dc resistance（Ω/KM）≤5.09Ω/km Max at 20℃
Temperature range：-40℃～+90℃
Maximum working temperature:120℃
The service life of the theory：25 years
Physical Properties
Elongation of unaged values(%):≥125%
Tensile strength of unaged values (N/mm2):≥6.5&8.5
Aged in a full draft circulating air oven: 150±2.0℃/168h
Elongation of After aging:≤30%
Tensile strength of After aging：≤30%
Bending radius：≥4xφ（D＜8mm）≥6xφ（D≥8mm）
Cold bend test:EN60811-1-4 (-40±2℃*16h No cracking)
Cold impact test:(-40℃*16h/1000g； 100mm No cracking)
Flame test:EN60332-1-2

APPROVED	CHECKED	DESIGNE	DDATE