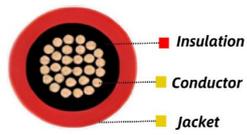


SPECIFICATION		
STANDARDS	EN50618/IEC62930	TYPE H1Z2Z2-K 1x6mm ²
APPLICATION	It is designed for the connection of photovoltaic panels and suitable for both fixed and mobile solar installations ,meet the varying needs of the solar industry	
		
TECHNICAL DATA		
CONDUCTOR	Material	Electrolytic annealed tinned copper, class 5 (flexible) according to IEC 60228 and EN 60228.
	Size	6mm ²
	Strand	84*0.28 ±0.008mm
	Approx.OD	2.96mm
INSULATION	Material	XLPO.Halogen -free electron -beam cross -linked, according to EN 50618 and IEC 62930
	Thickness	0.7mm
	Minimum thickness	0.53mm
	Approx.OD	4.55 ±0.2mm
JACKET	Material	XLPO.Halogen -free electron -beam cross -linked, according to EN 50618 and IEC 62930
	Thickness	0.8mm
	Minimum thickness	0.58mm
	Approx.OD	6.15 ±0.2mm
MARKING	 TÜV DC1500V H1Z2Z2-K 1×6.0mm ² Peeek GmbH meter marking	
ELECTRICAL PERFORMANCE	Rated voltage	1.0/1.0kV AC. 1.5(1.8)kV DC.
	Test Voltage (AC)	6.5kV/5min, 50Hz.
	Conductor resistance at 20°C	3.39Ω/km
	Minimum insulation resistance at 20°C	500MΩ.km
	Spark test AC	10kV
MECHANICAL PERFORMANCE	Temperature range	-40°C ~ +90°C,conductor temperature of 120°C at a max (20000h)
	Short-circuit-temperature	250°C/5s
	longation of unaged values %	125
	ensile strength of unaged values N/mm ²	8.0
	Acid and alkali resistance	EN 60811 -404
	Ozone resistance	EN 60811 -403, EN50396
	Weathering/UV resistance	EN 50289 -4-17 ,EN60811 -501
	Flame -resistance	EN 60332 -1-2.
	Water resistance	EN 50525 AD8 Submersion
	Anticipated service life	25 years
CURRENT CARRYING CAPACITY of PV CABLES at 120 °C (AMBIENT TEMPERATURE : 60°C)	Single cable free in air (A)	70
	Single cable on a surface(A)	67
	Two loaded cables touching, on a surface(A)	57
	In conduit (A)	45
INSTALLATION CONDITIONS	Open Air/Buried /In conduit	
		