QUANTUM
SOLAR

HIGH PRO®

H1Z2Z2-K (1×6)

HIGH MECHANICAL PREFORMANCE

HIGH EFFICIENCY

1500V DC





BELONGS TO NATURE

QUANTUM
SOLAR

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CONSTRUCTION

Type	H1Z2Z2-K
Size	1×6 mm²
Conductor	Tinned copper
Conductor (mm)	84/0.285
Condactor O.D	3.1
Insulation material	XLPO
Insulation O.D (mm)	4.53±0.15
Insulation Avagrage thickness	±0.71
Insulation colour	WHITE / BLACK
Jacket material	XLPO
Jacket Avagrage thickness (mm)	±0.008
Jacket O.D	6.4±0.15
Jacket colour	RED / BLACK

ELECTRIC PERFORMANCE

PRODUCT STANDARD CERRIFICATION	TUV
REFEFENCE STANDARD	EN50618:2014/IEC62930
RATED VOLTAGE	DC 1500V
TEMPERATURE (℃)	-40~120℃
AC VOLTAGE TEST	6.5KV
DC Conductor Resistance at 20℃ 20℃	≤3.39Ω/Km

Mechanical characteristics

Test Object	Insulation
Test Material	XLPO
Before Aging	
Tensile Strenght	≥6.5
Elongation (%)	≥125
After Aging	(150±1℃ x 168 hrs)
Tensile Strenght	-30%
Elongation (%)	-30%
Test Object	JACKET
Test Material	XLPO
Before Aging	
Tensile Strenght	≥8.0
Elongation (%)	≥125
After Aging	(150±1℃ x 168 hrs)
Tensile Strenght	-30%
Elongation (%)	-30%
Bending Test (-40℃ ±1℃ ×16 H)	No Crack

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