



# HIGH PRO<sup>®</sup> H1Z2Z2-K (1×16)

HIGH MECHANICAL PERFORMANCE

HIGH EFFICIENCY

1500V DC



BELONGS TO NATURE



## CONSTRUCTION

Type	H1Z2Z2-K
Size	1×16 mm <sup>2</sup>
Conductor	Tinned copper
Conductor (mm)	7×32×0.285
Conductor O.D	5.4
Insulation material	XLPO
Insulation O.D (mm)	0.7
Insulation Average thickness	±0.9
Insulation colour	WHITE / BLACK
Jacket material	XLPO
Jacket Average thickness (mm)	±0.9
Jacket O.D	8.8
Jacket colour	RED / BLACK

## ELECTRIC PERFORMANCE

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

## Mechanical characteristics

Test Object	Insulation
Test Material	XLPO
<b>Before Aging</b>	
Tensile Strength	≥6.5
Elongation (%)	≥125
After Aging	( 150±1°C x 168 hrs )
Tensile Strength	-30%
Elongation (%)	-30%
Test Object	JACKET
Test Material	XLPO
<b>Before Aging</b>	
Tensile Strength	≥8.0
Elongation (%)	≥125
After Aging	( 150±1°C x 168 hrs )
Tensile Strength	-30%
Elongation (%)	-30%
Bending Test ( -40°C ±1°C x16 H )	No Crack