

DESCRIPTIONS

6mm² Tinned Copper Non-Halogen TÜV 1000V

STANDARDS

IEC 60228, IEC 60332-1-2, IEC 60754, IEC 60811-2-1, IEC 61034, IEC 61215

TÜV 2PFG 1169

ROHS 2011/65/EU

CABLE CONSTRUCTION



Conductor	Stranded Tinned Copper
Size	6mm ²
Stranding	78/0.30
Diameter	3.0mm
Insulation	XLPE
Nom. Thickness	0.62mm
Color	White (RAL9003)
Jacket	XLPE
Nom. Thickness	0.62mm
Color	Black (RAL9005)
Diameter.	5.53±0.1mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
AC	U0/U: 0.6/1kV
DC	U:Max.1.8kV
Insulation Resistance	≥ 1000 MΩ.km
Spark test	10000 VAC
Voltage Withstand	6500 VAC
Conductor DC	≤ 3.39 Ω/km

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X O.D.
Static	≥ 4 X O.D.
Flammability	IEC 60332-1-2
Working temperature	-40°C ~ 90°C
Max. temperature at conductor	120°C

PRINT LEGEND

△ BYSON ELECTRONICS TÜV 2PFG 1169 6mm² PV1-F WIRE ROHS & LSZH

HISTORY

Sep. 3, 2012	First issue	Draft
Oct. 17, 2012	Optimized file	V0
May 26, 2014	Optimized file, add OD tolerance	V1
Oct.14, 2014	Add max. cond. temperature, OD tolerance optimized 0.1mm	V2