

DESCRIPTIONS

2.5mm² 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	2.5mm ²
Stranding	47/0.25
Diameter	2.0mm
Insulation	XLPE
Nom. Thickness	0.58mm
Color	White (RAL9003)
Jacket	XLPE
Nom. Thickness	0.58mm
Color	Black (RAL9005)
Diameter.	4.36±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	≤ 8.21 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 2.5mm² PV1-F WIRE ROHS & LSZH

HISTORY

Sep. 6, 2012	First issue	Draft
Apr. 20, 2013	Optimized file	V0
Sep. 15, 2014	Add OD tolerance	V1
Oct.14, 2014	Add max. cond. temperature	V2