

DESCRIPTIONS

10mm² 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	10mm ²
Stranding	77/0.40
Diameter	4.1mm
Insulation	XLPE
Nom. Thickness	0.62mm
Color	White (RAL9003)
Jacket	XLPE
Nom. Thickness	0.62mm
Color	Black (RAL9005)
Diameter.	6.63±0.2mm

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	≤ 1.95Ω/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 10mm² PV1-F WIRE ROHS & LSZH

HISTORY

Jun. 24, 2013	First issue	Draft
Sep. 7, 2013	Optimized file	V0
Mar. 27, 2014	Optimized file	V1
Oct.14, 2014	Add OD. tolerance, adjust cond. OD. 4.1, max. cond. temperature	V2