

## DESCRIPTIONS

12AWG Tinned Copper Non-Halogen UL 1000V, UL 2000V

## STANDARDS

UL 44, UL 854, UL 1581, UL 2556, UL 4703  
ROHS 2011/65/EU

## CABLE CONSTRUCTION



Conductor	Stranded tinned copper
Size	12AWG
Stranding	47/0.30
Diameter	2.31mm
Primary Insulation	XLPO
Minimum Average Thickness	1.14mm
Color	White (RAL9003)
Secondary Insulation	XLPO
Minimum Average Thickness	0.76mm
Color	Black (RAL9005)
Diameter.	6.27±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
AC	1000V, 2000V
Working Temperature	105°C Dry, 90°C Wet
Insulation Resistance	≥ 1000 MΩ.km
Spark test	10000 VAC
Voltage Withstand	6000 VAC
Conductor DC	≤ 5.76 Ω/km

## OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 5 X O.D.
Static	≥ 4 X O.D.
Flammability	VW-1

## PRINT LEGEND

BYSON ELECTRONICS 12AWG E331483 (UL) PV WIRE 105°C DRY 90°C WET 2000V SUN RES -40°C DIR  
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## HISTORY

May 18, 2015	First issue	Draft
Jun. 22, 2015	Optimized file	V0