

## DESCRIPTIONS

8AWG Tinned Copper Non-Halogen UL 600V

## STANDARDS

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

## CABLE CONSTRUCTION



Conductor	Stranded tinned copper
Size	8AWG
Stranding	66/0.40
Diameter	3.75mm
Primary Insulation	XLPO
Minimum Average Thickness	1.14mm
Color	White (RAL9003)
Secondary Insulation	XLPO
Minimum Average Thickness	0.76mm
Color	Black (RAL9005)
Diameter.	7.65±0.2mm

## ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
AC	600V
Working Temperature	105°C DRY, 90°C WET
Insulation Resistance	≥ 1000 MΩ.km
Spark test	10000 VAC
Voltage Withstand	4000 VAC
Conductor DC	≤ 2.23 Ω/km

## OTHER CHARACTERISTICS

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

## PRINT LEGEND

BYSON ELECTRONICS 8AWG E331483 (UL) PV WIRE 105°C DRY 90°C WET 600V SUN RES -40°C DIR  
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## HISTORY

Jun.3, 2015	First issue	Draft
Jan. 25, 2016	Optimized file	V0