

DESCRIPTIONS

14AWG 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	14AWG
Stranding	42/0.25
Diameter	1.82mm
Primary Insulation	XLPO
Minimum Average Thickness	0.76mm
Color	White (RAL9003)
Secondary Insulation	XLPO
Minimum Average Thickness	0.76mm
Color	Black (RAL9005)
Diameter.	5.0±0.1mm

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	
AC	600V
Working Temperature	105°C Dry, 90°C Wet
Insulation Resistance	≥ 1000 MΩ.km
Spark test	7500 VAC
Voltage Withstand	4000 VAC
Conductor DC	≤ 9.24 Ω/km

OTHER CHARACTERISTICS

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

PRINT LEGEND

BYSON ELECTRONICS 14AWG 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
Nov. 6, 2015	Adjust conductor from 41/0.25 to 42/0.25	V0