

DESCRIPTIONS

12AWG Bare 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 Bare Copper
Size	12AWG
Stranding	19/0.47 (19/0.019inches)
Diameter	2.33mm (0.092inches)
Primary Insulation	XLPO
Minimum Average Thickness	1.14mm (0.045inches)
Color	White (RAL9003)
Secondary Insulation	XLPO
Minimum Average Thickness	0.76mm (0.030inches)
Color	Black (RAL9005)
Diameter.	6.27±0.1mm (0.247±0.004inches)

ELECTRICAL CHARACTERISTICS (at +20°C)

Voltage Rating	UL 4703	AC 1000V, 2000V
Working Temperature		105°C Dry, 90°C Wet
Insulation Resistance		≥ 1000 MΩ.km (3280GΩ.ft)
Spark test		10000 VAC
Voltage Withstand		6000 VAC/1min.
Conductor DC		≤ 5.43 Ω/km (1.66Ω/kft)

OTHER CHARACTERISTICS

Bending Radius	
Dynamic	≥ 10 X O.D.
Static	≥ 8 X O.D.
Flammability	VW-1

PRINT LEGEND

BYSON ELECTRONICS 12AWG BC E331483 (UL) PV WIRE 105°C DRY 90°C WET 1000V OR 2000V SUN
RES -40°C DIR BUR

HISTORY

Jun. 5, 2015	First issue	Draft
Sep. 6, 2015	Add "inch" unit	V0
Nov. 26, 2015	Marking add "1000V "	V1