

DESCRIPTIONS

14AWG 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 | 14AWG |
| Stranding | 19/0.37mm (19/0.015inches) |
| Diameter | 1.85mm (0.073inches) |
| 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. | 5.77±0.1mm (0.227±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/1 min. |
| Conductor DC | | ≤ 8.62 Ω/km (2.63Ω/kft) |

OTHER CHARACTERISTICS

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

PRINT LEGEND

BYSON ELECTRONICS 14AWG 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. 2, 2015 | Add "inch" unit | V0 |
| Nov. 26, 2015 | Marking add "1000V " | V1 |