

# TECHNICAL DATA

## XTRA·GUARD® 2

### ENGINEERING SPECIFICATION

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Cable shall be Alpha Wire Company **XTRA·GUARD® 2**. Manufactured from stranded, tinned copper conductors in accordance with ASTM-B-33. Conductors shall be insulated with premium polyvinylchloride, which exceeds the flame test requirements of UL VW-1. Conductor insulations shall conform with UL styles 1569, 1730, 1015 and CSA AWM I A/B. Insulated conductors shall be fully color coded.

Extra-rugged jacketing shall be manufactured from specially formulated polyurethane conforming to UL and CSA standards, be in compliance with **CE** and shall exhibit superior resistance to oils, fuels, chemicals, solvents, water and abrasions.

Complete cables meet UL AWM 20668, 20952 and CSA AWM I A/B II A/B for 300 Volt and 600 Volt applications.

#### 1.0 PRODUCT SPECIFICATIONS

- 1.1 Stranded tin coated copper conductor per ASTM B-33
- 1.2 Size range 24 AWG thru 14 AWG
- 1.3 Premium PVC insulated conductors
- 1.4 Fully color coded insulated conductors
- 1.5 UL, CSA conductor styles — 300 volts
  - A) 24 AWG and 22 AWG  
UL Style 1730  
CSA AWM I A/B 90°C
  - B) 20 AWG, 18 AWG and 16 AWG  
UL Style 1569  
CSA AWM I A/B 90°C
- 1.6 UL, CSA conductor styles — 600 volts
  - A) 18 AWG thru 14 AWG  
UL Style 1015  
CSA AWM I A/B 105°C
- 1.7 UL, CSA cable style — 300 volts and 600 volts  
UL AWM Styles: 20668, 20952  
CSA AWM I A/B II A/B FT1
- 1.8 Shielding Options
  - A) Unshielded:  
Clear polyester wrap, overlap Foil Shielded
  - B) Foil Shielded:  
Aluminum/polyester, 25% overlap, foil facing in with stranded tinned copper drain wire equal in size to insulated conductor.
  - C) **SUPRASHIELD®**  
Foil/braid combination. Triple laminate, aluminum/polyester/aluminum bonded in one layer, 25% overlap, overall 70% coverage tinned copper braid shield.  
Provides maximum shielding effectiveness.
- 1.9 Jacketing
  - A) Specially formulated polyurethane jacket meets UL and CSA requirements.
  - B) Available in orange, blue, green, yellow, gray, red, sand-beige, white and black.

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