

TECHNICAL DATA

XTRA·GUARD® 1 ENGINEERING SPECIFICATION

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Cable shall be Alpha Wire Company **XTRA·GUARD® 1**.

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 1007, 1061, 1015 and CSA AWM I A/B. Insulated conductors shall be fully color coded.

Jacketing shall be manufactured from premium polyvinylchloride conforming to current UL and CSA standards and in compliance with **CE**.

Complete cables meet UL Type CM, AWM 2464, 2343, 2344, 2501 and CSA AWM I A/B II A/B, CMG FT4 rating requirements, 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 conductors
- 1.5 UL, CSA conductor styles — 300 volts
 - A) 24 AWG and 22 AWG
UL Style 1061
CSA AWM I A/B 80bC
 - B) 20 AWG, 18 AWG and 16 AWG
UL Style 1007
CSA AWM I A/B 80bC
- 1.6 UL, CSA conductor styles — 600 volts
 - A) 22 AWG thru 14 AWG
UL Style 1015
CSA AWM I A/B 105bC
- 1.7 UL, CSA cable style — 300 volts
 - A) 24 AWG thru 16 AWG
UL type CM or AWM 2464
CSA CMG FT4
 - B) 24 AWG thru 20 AWG
UL type CM or AWM 2343, 2344
CSA CMG FT4
- 1.8 UL, CSA cable style — 600 volts
 - A) 22 AWG to 14 AWG
UL Style 2501
CSA AWM I A/B II A/B FT4
- 1.9 Shielding Options
 - A) Unshielded:
Clear polyester wrap, 25% overlap
 - 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.
- 1.10 Jacketing
 - A) Premium polyvinylchloride
 - B) Available in gray or black.

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