

TECHNICAL DATA

XTRA·GUARD® 5

ENGINEERING SPECIFICATION

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Cable shall be Alpha Wire Company **XTRA·GUARD® 5**. Manufactured from stranded, tin coated copper conductors in accordance with ASTM-B-33. Conductors shall be insulated and jacketed with fluorinated ethylene propylene FEP Teflon®, which exceeds requirements of the UL VW-1 and 210,000 BTU/HR Flame Tests.

Conductor insulation shall conform with UL style 1886 (300 Volt, 150°C).

Insulated conductors shall be fully color coded.

Cable shall meet or exceed the requirements of UL Style 20229, 20231 and 20232 for 300 Volt installations, and CSA CMP FT6 for 300 Volt applications. Cable shall be in compliance with **CE**.

Cable shall be approved for use in mines in accordance with Pennsylvania Bureau of Deep Mine Safety, P-MWMS-1-85.

Cable shall be unaffected by any known chemicals, acids, fuels, solvents or oils at room temperature.

Cable shall be resistant to weather, heat aging and ultraviolet (UV) light.

1.0 PRODUCT SPECIFICATIONS

- 1.1 Stranded, tin coated copper conductor per ASTM B-33
- 1.2 Size range 24 AWG thru 16 AWG
- 1.3 Fluorinated Ethylene Propylene (FEP) Teflon* Insulated Conductors
- 1.4 Fully color coded insulated conductors
- 1.5 UL conductor style – 300 volts
24 AWG thru 16 AWG
UL Style 1886
150°C
- 1.6 UL cable style – 300 volts
UL Type CMP
UL AWM Styles 20229, 20231 and 20232
- 1.7 CSA cable style – 300 volts
CSA CMP FT6
- 1.8 Meets or exceeds the 210,000 BTU/HR Flame Test Requirements
- 1.9 Passes Steiner Tunnel Test (Low smoke generation)
- 1.10 Mine approved in accordance with Pennsylvania Bureau of Deep Mine Safety P-MWMS-1-85.
- 1.11 Jacketing
Fluorinated Ethylene Propylene (FEP) – Teflon, 150°C, UL Listed and CSA Certified.
- 1.12 NEC Article 800
- 1.13 Shielding Options
 - A) Unshielded:
High temperature tape wrap, 25% overlap
 - B) Foil Shielded:
Aluminum/polyester, 25% overlap, foil facing in with stranded tinned copper drain wire equal in size to insulated conductors.
 - C) **SUPRASHIELD®**
Foil/braid combination. Triple laminate tape, aluminum/polyester/aluminum bonded in one layer, 25% overlap, overall 70% coverage tinned copper braid shield. Provides maximum shielding effectiveness.

353

*Teflon is a registered trademark of E.I. DuPont