

TC CONTROL CABLE XLP/HYPALON

VW-1 Rated XLP Insulation 600 Volt 90°C Hypalon* Jacket

SCOPE:

This specification covers multiconductor cables having stranded, coated copper conductors; flame resistant cross-linked polyolefin insulation, and a heavy duty, flame and sunlight resistant gas/vapor-tight Hypalon* jacket. Cables conform to Article 318 "Cable Trays" and Article 340 "Power and Control Cable Type TC" of the 1999 National Electric Code, and Standard 1277 of Underwriters Laboratories, Inc. and ICEA S-66-524. They meet the requirements of the ICEA T-29-520 and T-30-520 flame tests as well as the 70,000 BTU "Cable Tray Propagation Test" per IEEE-383 and show reserve capabilities by also passing the 210,000 BTU flame test. Rated 600 volts, 90°C wet and dry. Sizes 14, 12, and 10 AWG conductors are UL Type XHHW-2. They also meet the CSA FT4 and the IEEE 1202 70,000 BTU flame tests.

APPLICATIONS:

UL listed and OSHA acceptable. Recognized for use in Class 1 or 2, Division 2 hazardous locations and for installation in trays, wireways, troughs, channels, ducts and conduit and aerially where supported by a messenger. Specifically approved for direct burial, wet or dry locations and outdoors in cable trays where a sunlight resistant rating is required. Designed for control, power, lighting, telemetering, signals and relay or traffic control where a low loss, high temperature insulation is specified.

CONSTRUCTION:

CONDUCTORS

Sizes 18, 16, 14, 12, AND 10 AWG

Coated, annealed copper per ASTM B-33 and B-189

Concentric stranded, class B (7 strands) per ASTM B-8, UL-44 paragraph 12.6 and UL-62 paragraph 10.2 (A suitable separator is applied between the conductor and insulation to facilitate stripping).

INSULATION:

Cross-linked polyethylene

Sizes 18 and 16 AWG: UL-1581 table 50.241

Sizes 14, 12, and 10 AWG: UL-44 class XL compound and ICEA S-73-532 part 3

Thickness

Sizes 18 and 16 AWG: UL-62 table 6.1 (RFH-2)

Sizes 14, 12, and 10 AWG: UL-44 table 15.3 and ICEA S-73-532 part 3 table 3-1

CABLING:

Three or more conductors are assembled round with flame resistant, non-hygroscopic and non-wicking neoprene fillers as needed. A flame resistant, non-hygroscopic and non-wicking tape binder is applied over the assembly.

Two conductors are assembled flat parallel (round, with neoprene fillers as needed, is available upon request).

OVERALL JACKET:

Gas/vapor-tight heavy duty, flame and sunlight resistant Hypalon* (black) per UL-1277 table 10.1 and ICEA S-73-532 part 4 table 4-2

Thickness - Specified herein

COLOR CODING:

ICEA Method 1 using solid colors with stripes in accordance with Table E-2.

CONSTRUCTION OPTIONS:

Consult factory for specifications on cables with USE-2 or RHW-2 insulation and/or Neoprene or CPE jackets, and cable with various shields.

*Hypalon is a registered DuPont trademark for chlorosulfonated polyethylene (CSPE).

The data listed above is approximate and subject to normal manufacturing tolerances. Specifications are subject to change without notice.



PITTSBURGH WIRE & CABLE INC.

www.pittsburghwire.com

Sales and Ordering: 1-800-458-1222