**MC-PCS Duo™ PVC Jacketed Power & Control/Signal Cable**


**APPLICATIONS**

Suitable for use as follows:
- Suitable for Wet Location per NEC 330.10(11)
- Direct burial applications, installation in concrete and where exposed to cinder fills, strong chlorides, caustic alkalis, or vapors of chlorine or of hydrochloric acids.
- Circuits for branch power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Power, lighting, control, and signal circuits.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Places of Assembly per NEC 518.4 and theaters per NEC 520.5.
- Installation in cable tray and approved raceways.
- Under raised floors for information technology equipment conductors and cables per NEC 645.5(D) & 645.5(D)(2).
- Class I Div. 2, Class II Div. 2, & Class III Div. 1 Hazardous Locations.

**STANDARDS & REFERENCES**

MC-PCS Duo™ PVC Jacketed Cable meets or exceeds the requirements of:
- UL 83
- UL 1569 (Including new Sections 9.4, 40.1(q), and 41.1(r) as detailed in the latest UL 1569 CRD)
- UL 1685
- Federal Specification A-A59544 (formerly J-C-30B)
- NFPA 70 (National Electrical Code), Article 330 and 725.136(l)(1) & (2)
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- Passes both "UL Test" & "FT4/IEEE 1202" (70,000 Btu/hr) Vertical Cable Tray Flame Test
- REACH/RoHS-2 (Chemical Limit) Compliant

**CONSTRUCTION**

MC-PCS Duo™ PVC Jacketed Cable is constructed with 12 AWG or 10 AWG CU Type THHN/THWN power and ground conductors along with a control conductor assembly composed of a 30 mil PVC jacket covering two 16 AWG CU Type TFN signal conductors. The phase conductors, ground, and signal conductor assembly are cabled together and a binder tape bearing the print legend is wrapped around the assembly. Aluminum interlocking armor is applied over the taped assembly. A sunlight resistant, direct burial rated PVC Jacket is applied over the armor.
<table>
<thead>
<tr>
<th>CONDUCTOR SIZE AND COLORS</th>
<th>GROUNDING SIZE AND COLOR</th>
<th>STOCK NUMBER</th>
<th>WEIGHT (LBS/1000')</th>
<th>OVERALL DIAMETER (INCHES)</th>
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Consult NEC 310.15 for ampacities
Other constructions available upon request

FEATURES

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One Southwire Drive, Carrollton, GA 30015, USA
• Full compliance with NEC 330, NEC 725, and UL 1569
• 16 AWG signal wiring for 0-10V dimming.
• Available in 250’ coils or 1000’ reels
• Available with steel armor
• Anti-short bushings are not required for use with Type MC Cable per the NEC and UL.

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