



## FMC-PCS Duo™

Fixture Whip Assembly, 14 AWG through 10 AWG THHN/THWN Insulated Singles. Green Insulated Ground. UL Listed. 600 Volts. Rated VW-1. Steel Interlocked Armor. Includes UL Listed Fittings and Prepared Cable Ends.

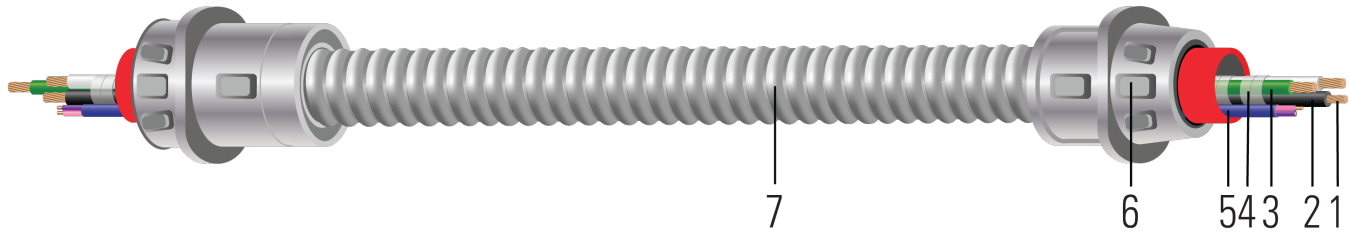


Image not to scale. See Table 1 for dimensions.

### CONSTRUCTION:

1. **Conductor:** Class B compressed stranded copper per ASTM B3 and ASTM B8
2. **Insulation:** All phases are insulated with Polyvinyl Chloride with Nylon Sheath Type THHN/THWN
3. **Ground:** Green insulated copper ground
4. **Binder:** Binder tape bearing the print legend is wrapped around the cable assembly
5. **Signal:** 16 AWG Copper TFN Insulated Singles Pink, Purple. Overall light blue jacket over the signal cables
6. **Connector:** Zinc die-cast snap on connector or locknut
7. **Armor:** Steel Interlocked Armor

### APPLICATIONS AND FEATURES:

**Southwire FMC-PCS Duo™ Modular Cable Assemblies are suitable for use as follows:**

- Branch, feeder and service power distribution in commercial, industrial, institutional, and multi-residential buildings.
- Fished or embedded in plaster.
- Concealed or exposed installations.
- Environmental air-handling spaces per NEC 300.22 (C).
- 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.

**Southwire FMC-PCS Duo™ Modular Cable Assemblies - meets or exceeds the following requirements:**

- UL Online Product Guide Info - Metal-Clad Cable (PJAZ) ( [www.ul.com](http://www.ul.com) )
- Federal Specification A-A59544 (formerly J-C-30B)
- NFPA 70 (National Electrical Code), Article 330
- Listed for use in UL 1, 2 and 3 Hour Through Penetration Firestop Systems
- REACH/RoHS-2 (Chemical Limit) Compliant

### FMC-PCS Duo™ Modular Cable Assemblies Features:

- Reduces installation costs up to 50% over pipe and wire.
- Pre-cut lengths eliminate on-site preparation and save installation and clean up time.
- Pre-stripped conductors increase jobsite safety
- UL Listed snap-in fittings applied to each end





- UL Classified 1, 2, and 3 hour Through Penetration Firestop Systems: W-J-3037, W-L-3110, W-L-3113, W-L-3117, W-L-3120, W-L-3121, W-L-3160, C-AJ-3115, C-AJ-3140, C-AJ-3142, C-AJ-3145, C-AJ-3173, C-AJ-3202, C-AJ-4065, C-AJ-4066, F-C-3038.
- Cable reverse wound on reel for ease of pulling and installation. When pulling from coils, pull from inside to ensure ease of installation.
- Anti-short bushings are not required for use with MC cable per the NEC and UL

### SPECIFICATIONS:

- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- UL 83 Thermoplastic Insulated Wires and Cables
- UL 1569 Metal-Clad Cables
- UL 1479 Standard for Safety Fire Tests of Penetration Firestops
- UL 1685 FT4 Vertical-Tray Fire Propagation and Smoke Release Test
- Buy American: Compliant with Buy American Requirements, found in 49 U.S.C. § 5323(j); specify "Made in the USA Only!" when ordering to ensure your project receives American made products.

### SAMPLE PRINT LEGEND:

XX GALFLEX(R) RWS FLEX CONDUIT (XX") WHIP X'

### Whip Assemblies

| Stock Code                             | Size<br>AWG | Trade<br>Size | Cond.<br>Num | Solid/<br>Stranded | Color             | Length<br>ft | Connector<br>Type |
|----------------------------------------|-------------|---------------|--------------|--------------------|-------------------|--------------|-------------------|
| 643892                                 | 14          | 1/2"          | 3            | Solid              | BK, WE, GN        | 6            | Lock Nut          |
| 668262                                 | 14          | 1/2"          | 3            | Solid              | BN, GY, GN        | 6            | Lock Nut          |
| 664821                                 | 14          | 1/2"          | 4            | Solid              | BK, WE, RD,<br>GN | 6            | Lock Nut          |
| 644068                                 | 14          | 1/2"          | 3            | Stranded           | BK, WE, GN        | 6            | Lock Nut          |
| 643717                                 | 12          | 1/2"          | 3            | Stranded           | BK, WE, GN        | 6            | Lock Nut          |
| 672381                                 | 12          | 1/2"          | 3            | Solid              | BK, WE, GN        | 6            | Lock Nut          |
| 672059                                 | 12          | 1/2"          | 3            | Solid              | BK, WE, GN        | 6            | Snap-in           |
| 643719                                 | 12          | 1/2"          | 3            | Stranded           | BK, WE, GN        | 6            | Snap In           |
| Note: Conductor number includes ground |             |               |              |                    |                   |              |                   |

