

Armorlite® Type MC-PCS Power Control & Signal

Lightweight Aluminum Interlocked Armor. 600 Volts. Copper Power & Control Conductors.
THHN/THWN & TFN Insulated Singles. Green Insulated Grounding Conductor.
Power: 12 AWG & 10 AWG. Control: 16 AWG. Rated VW-1. Rated 90°C Dry Locations.



APPLICATIONS

Southwire® Armorlite® Type MC-PCS Cable meets the NEC and UL listing requirements for combining power/lighting circuits and Class 2 or Class 3 control circuits in the same cable.

Southwire® Armorlite® Type MC-PCS Cable is suitable for use as follows:

- 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.
- 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.

STANDARDS & REFERENCES

Southwire's Armorlite® Type MC - PCS 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)
- National Electrical Code (NFPA 70) (Specifically NEC 725.136(I)(1) & (2) as described in the latest UL 1569 CRD)
- 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

CONSTRUCTION

Southwire Armorlite® Type MC-PCS 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 control conductors. The phase conductors, ground, and control 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. Yellow stripe/blocks are printed on the outside of the armor and the print legend is applied in black print on every 4th yellow stripe/block.



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Armorlite® Type MC-PCS

Trade Size Size (AWG) / # of Cond.	Circuit Conductors	Grounding Conductor	Sub-Group Covering	Overall Assembly Covering	Approx. Outside Diameter (Inches)	Approximate Weight (lbs/1000 ft)	Standard Package
MC-PCS Solid							
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Black, White & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Red, White & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Blue, White & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Brown, Gray & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Orange, Gray & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Yellow, Gray & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.553	141	1000' reel 250' coil
(1) 12/3 Solid THHN/THWN & (1) 16/2 Solid TFN	Black, Red, White & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.593	168	1000' reel 250' coil
(1) 12/3 Solid THHN/THWN & (1) 16/2 Solid TFN	Brown, Orange, Gray & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.593	168	1000' reel 250' coil
(1) 10/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Black, White & Purple, Gray	10 AWG Green	None & PVC	Mylar	0.618	188	1000' reel 250' coil
(1) 10/2 Solid THHN/THWN & (1) 16/2 Solid TFN	Brown, Gray & Purple, Gray	10 AWG Green	None & PVC	Mylar	0.618	188	1000' reel 250' coil
MC-PCS Stranded (16/2 Solid)							
(1) 12/2 Stranded THHN/THWN & (1) 16/2 Solid TFN	Black, White & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.573	148	1000' reel 250' coil
(1) 12/2 Stranded THHN/THWN & (1) 16/2 Solid TFN	Brown, Gray & Purple, Gray	12 AWG Green	None & PVC	Mylar	0.573	148	1000' reel 250' coil
Note: Consult Section 310.15 of the National Electrical Code, 2014 Edition for ampacities. Data reflects products manufactured with aluminum interlocked armor.							

FEATURES

- 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 Type MC Cable per the NEC and UL.



greenSpec
RoHS Compliant



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