



## 4M4MS14P Series

# ClearFILL® Line Plenum-Rated, 1/4" Factory-Fit Jumper Assembly, 4.1-9.5 Male / 4.1-9.5 Male

## Product Description

Radio Frequency Systems' ClearFill Line Factory-fit jumpers feature specially designed connectors which are soldered-on in a strictly controlled industrial process to ensure industry leading performance for today's high-performance wireless systems. The connector design and manufacturing process has been optimized to produce premium VSWR and IM levels. Heat shrink boots provide reliable and repeatable sealing level and strain relief. ClearFill Line 1/4" plenum rated jumpers feature a helically corrugated copper outer conductor which provides superior bending characteristics and electrical performance when compared to braided-style jumpers and provides 100% EMI shielding. ClearFill Line plenum rated jumpers are ideal for in-building applications requiring tight bends in challenging plenum spaces. The Teflon jacket and PTFE dielectric material ensure the most stringent in-building specifications are met, including UL-910 and CMP/FT6 for plenum spaces. Our facilities stock all popular lengths as required by the industry and can deliver custom lengths upon request.

## Technical Specifications

Cable Type	SCF14-50JPL
Connector A	4.1-9.5 Mini-DIN Male
Connector B	4.1-9.5 Mini-DIN Male
Jumper Type	Factory-Fit (Soldered)
Frequency Range, MHz	400-6000
Performance Specification:	See Below
Return Loss, dB	
Intermodulation, 3rd Order, dBc (dynamic)	-155
Minimum Bend Radius, mm (in)	25.4 (1)
Sealing Class	IP68

## Available Lengths

Model Number	Length, ft	Return Loss, dB
4M4MS14P-020FFP	2	-24
4M4MS14P-040FFP	4	-24
4M4MS14P-060FFP	6	-24
4M4MS14P-080FFP	8	-24
4M4MS14P-100FFP	10	-24
4M4MS14P-150FFP	15	-24
4M4MS14P-200FFP	20	-24
4M4MS14P-250FFP	25	-24
4M4MS14P-500FFP	50	-23
4M4MS14P-31MFFP	100	-20



4M4MS14P Series Shown

- **Guaranteed Electrical Performance**
  - Very low PIM: -161 dBc (static)
  - Excellent Return Loss: -24dB (-20 dB min.)
- **100% VSWR, PIM and interface tested**
- **Specially designed factory-installed connectors**  
Provides superior mechanical and electrical, long-life performance
- **Serialized product label**  
Ensures traceability
- **Fire-rated jackets meet the most stringent industry NEC article 800 standards**
  - Plenum: UL-910, CMP/FT6
- **Price Effective Solution**
  - Costs significantly less than buying cable and loose connectors
  - Save time on the project, eliminate the need for specialized training or tools
- **Waterproof to IP68, per IEC 60529-1**  
Assured performance in harsh, water-present environments
- **Field-Proven Design**  
Consistent track record over years of service and thousands deployed