



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

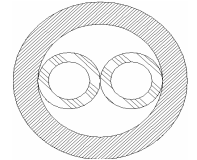
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**PART NUMBER:** 81402  
**DESCRIPTION:** 14/2 SOLID FPLP CABLE  
**CONSTRUCTION:** This cable consists of two bare copper insulated conductors and an overall jacket.  
**APPROVALS:** UL Standard 1424, NEC Article 760.  
**APPLICATION:** Fire Alarm Power Limited Circuit Cable Used in Plenum Applications

## Construction Parameters:

## Cable Cross-Section

Conductor 14 AWG Bare Copper  
Stranding Solid  
Insulation Material Low Smoke PVC  
Insulation Thickness 0.008" Nom.  
Insulated Conductor Diameter 0.080" Nom.  
Number of Conductors 2  
Lay Length 5.00" Nom.  
Jacket Material Low Smoke PVC  
Jacket Thickness 0.017" Nom.  
Overall Cable Diameter 0.194" Nom.  
Approximate Cable Weight 36.2 Lbs/1M' Nom.  
Flame Rating NFPA 262 Steiner Tunnel Smoke and Flame Test



## Electrical & Environmental Properties:

Temperature Rating -20°C to 75°C  
Operating Voltage 300 V RMS Max.  
Capacitance Between Conductors @ 1 KHz 44 pF/ft Nom.  
Capacitance Between Conductors to Shield @ 1 KHz -----  
DC Resistance per Conductor @ 20°C 2.54 Ohms/1M' Nom.

Insulation Colors Black Red  
Jacket Color Red (Other colors available for minimum order)

Legend (Surface Ink Print) COLEMAN CABLE 81402 14 AWG 2/C (ETL)US (ETL CODE) TYPE FPLP 75C

Testing Requirements: Spark Testing (Jacket and Insulation): 2KVAC (100% of manufactured cable)  
Hypot Testing: 2.5KVDC (1 out of 10 reels)  
Continuity: 100% (every packaged reel)

This product complies with European Directive 2002/95/EC (RoHS)  
On special orders, the customer will accept all factory lengths and +/- 10 percent of total order requested.

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Customer Name \_\_\_\_\_ Date Signed \_\_\_\_\_

Customer Approval \_\_\_\_\_

Specification Issue Date: July 19, 2006