



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

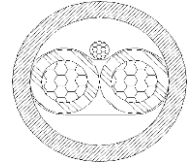
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**PART NUMBER:** 75902  
**DESCRIPTION:** 18/2 STRANDED SHIELDED CL3P/CMP/FPLP FT6 PLENUM CABLE  
**CONSTRUCTION:** This cable consists of two bare copper insulated conductors, cabled with an overall shield and drain wire, and an overall jacket.  
**APPROVALS:** UL Standard 13 and 444, NEC Articles 725 and 800.  
**APPLICATION:** Class 3 Power Limited Circuit Cable and Communications Cable Used in Plenum Applications

## Construction Parameters:

|                              |                                              |
|------------------------------|----------------------------------------------|
| Conductor                    | 18 AWG Bare Copper                           |
| Stranding                    | 7/0.152"                                     |
| Insulation Material          | Low Smoke PVC                                |
| Insulation Thickness         | 0.010" Nom.                                  |
| Insulated Conductor Diameter | 0.066" Nom.                                  |
| Number of Conductors         | 2                                            |
| Lay Length                   | 4.00" Nom.                                   |
| Shield                       | Alum/Mylar                                   |
| Drain                        | 24 AWG Solid Tinned Copper                   |
| Jacket Material              | Low Smoke PVC                                |
| Jacket Thickness             | 0.014" Nom.                                  |
| Overall Cable Diameter       | 0.170" Nom.                                  |
| Approximate Cable Weight     | 21.9 Lbs/1M' Nom.                            |
| Flame Rating                 | NFPA 262 Steiner Tunnel Smoke and Flame Test |

## Cable Cross-Section



## Electrical & Environmental Properties:

|                                                  |                    |
|--------------------------------------------------|--------------------|
| Temperature Rating                               | -20°C to 75°C      |
| Operating Voltage                                | 300 V RMS Max.     |
| Capacitance Between Conductors @ 1 KHz           | 50 pF/ft Nom.      |
| Capacitance Between Conductors to Shield @ 1 KHz | 92 pF/ft Nom.      |
| DC Resistance per Conductor @ 20°C               | 6.29 Ohms/1M' Nom. |

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

|                            |                                                                                     |
|----------------------------|-------------------------------------------------------------------------------------|
| Legend (Surface Ink Print) | CCI 75902 18 AWG 2/C C(ETL) US (ETL CODE) TYPE CMP/CL3P/FPLP<br>75C -- TYPE CMP FT6 |
|----------------------------|-------------------------------------------------------------------------------------|

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.  
Cable has a rip cord for easy jacket removal. The jacket is sequentially footmarked.

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