



# PRODUCT DATA SHEET

Controlled Document - Engineering Drive

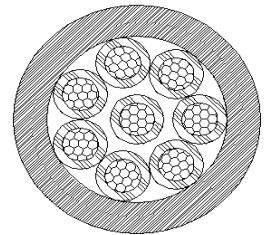
1530 Shields Drive  
Waukegan, IL 60085  
Toll-Free (800) 323-9355  
Fax: (847) 689-1192

**PART NUMBER:** 51119  
**DESCRIPTION:** 18/8 STRANDED CMR/CL3R/FPLR FT4 CABLE  
**CONSTRUCTION:** This cable consists of eight bare copper insulated conductors with an overall extruded jacket.  
**APPROVALS:** UL Standard 13 and 444, NEC Articles 725 and 800.  
**APPLICATION:** Class 3 Power Limited Circuit Cable and Communications Cable for Riser Applications

## Construction Parameters:

|                              |                          |
|------------------------------|--------------------------|
| Conductor                    | 18 AWG Bare Copper       |
| Stranding                    | 7/.0152"                 |
| Insulation Material          | PVC                      |
| Insulation Thickness         | 0.006" Nom.              |
| Insulated Conductor Diameter | 0.057" Nom.              |
| Number of Conductors         | 8                        |
| Lay Length                   | 5.00" Nom.               |
| Jacket Material              | PVC                      |
| Jacket Thickness             | 0.019" Nom.              |
| Overall Cable Diameter       | 0.226" Nom.              |
| Approximate Cable Weight     | 53.8 Lbs/1M' Nom.        |
| Flame Rating                 | UL 1666 Riser Flame Test |

## Cable Cross-Section



## Electrical Properties:

|                                                  |                    |
|--------------------------------------------------|--------------------|
| Temperature Rating                               | -20°C to 60°C      |
| Operating Voltage                                | 300 V RMS Max.     |
| Capacitance Between Conductors @ 1 KHz           | 24 pF/ft Nom.      |
| Capacitance Between Conductors to Shield @ 1 KHz | -----              |
| DC Resistance per Conductor @ 20°C               | 6.29 Ohms/1M' Nom. |

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Insulation Colors | Black Red White Green Brown Blue Orange Yellow         |
| Jacket Color      | White, Gray (Other colors available for minimum order) |

|                            |                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Legend (Surface Ink Print) | CCI 51119 18 AWG 8/C C(ETL) US (ETL CODE) TYPE<br>CMR/CL3R/FPLR SUN RES -- TYPE CMG FT4 -- XX/XX/XX<br>(MONTH/DAY/YEAR) XXXXXX (W/O #) P-07-KA120008-MSHA 300V |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

*This product complies with European directive 2011/65/EU (RoHS-2)*

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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