

# Technical Data Sheet

## Fire Alarm Cables- Circuit Integrity- CI



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|---------------------|---|
| <b>PART NUMBER:</b> | <b>5220UM</b>   |
| <b>DESCRIPTION:</b> | 16/2 Solid bare copper conductors, unshielded with an overall jacket.       |
| <b>NEC RATING:</b>  | FPLR-CI, NEC Article 760  |
| <b>APPROVALS:</b>   | (UL) or (ETL)us Listed  |
| <b>APPLICATION:</b> | Indoor for (Circuit Integrity, Fire Alarm Circuit Integrity, Survivability) |

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### Construction Parameters:

|                          |   |
|--------------------------|---|
| Conductor                | 16 AWG Bare Copper                          |
| Stranding                | Solid                                       |
| Insulation Material      | Ceramifiable Silicon Rubber (CSR)           |
| Insulation Thickness     | 0.034" Nom.                                 |
| Number of Conductors     | 2   |
| Shield                   | None  |
| Drain                    | None  |
| Jacket Material          | Flame Retardant Polyethylene                |
| Jacket Thickness         | 0.045" Nom.                                 |
| Overall Cable Diameter   | 0.329" Nom.                                 |
| Approximate Cable Weight | 52 Lbs/1M' Nom.                             |
| Flame Rating             | UL 1666 Riser Flame Test, UL2196- 2 hr.Test |

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### Electrical & Environmental Properties:

|  |                      |
|--|----------------------|
| Temperature Rating                         | -20deg C to 105deg C |
| Operating Voltage                          | 300 V RMS            |
| Max.Capacitance Between Conductors @ 1 KHz | 19 pf/ft Nom.        |
| DC Resistance per Conductor @ 20deg C      | 4.0 Ohms/1M' Nom.    |
| Insulation Colors                          | Black, Red           |
| Jacket Color                               | Red                  |
| RoHS Compliant                             | Yes                  |

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### Mechanical Properties:

|                               |           |
|-------------------------------|-----------|
| Max. Recommended Pull Tension | 62.5 lbs. |
| Min. Bend Radius (Install)    | 3.3"      |

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Standard Lengths are 1000ft.  
The Jacket is sequentially footmarked.  
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