

# Technical Data Sheet

## Fire Alarm Cables- Circuit Integrity- CIC



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

### Construction Parameters:

Conductor	16 AWG Bare Copper
Stranding	Solid
Insulation Material	Ceramifiable Silicon Rubber (CSR)
Insulation Thickness	0.035" Nom.
Number of Conductors	2
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flame Retardant Polyethylene
Jacket Thickness	0.056" Nom.
Overall Cable Diameter	0.36" Nom.
Approximate Cable Weight	63 Lbs/1M' Nom.
Flame Rating	UL 1666 Riser Flame Test, UL2196- 2 hr.Test in Conduit

### Electrical & Environmental Properties:

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

### Mechanical Properties:

Max. Recommended Pull Tension	85 lbs.
Min. Bend Radius (Install)	3.6"

Specification Issue Date: 2/07

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