

Technical Data Sheet

Fire Alarm Cables- Circuit Integrity- CI

WEST PENN WIRE

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PART NUMBER:	5220FM
DESCRIPTION:	16/2 Solid bare copper conductors, shielded with an overall jacket.
NEC RATING:	FPLR-CI, NEC Article 760
APPROVALS:	(UL) or (ETL)us Listed
APPLICATION:	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	0.034" Nom.
Number of Conductors	2
Shield	100% Aluminum Polyester Foil
Drain	Stranded Tinned Copper
Jacket Material	Flame Retardant Polyethylene
Jacket Thickness	0.045" Nom.
Overall Cable Diameter	0.331" Nom.
Approximate Cable Weight	59 Lbs/1M' Nom.
Flame Rating	UL 1666 Riser Flame Test, UL2196- 2 hr.Test

Electrical & Environmental Properties:

Temperature Rating	-20deg C to 105deg C
Operating Voltage	300 V RMS
Max.Capacitance Between Conductors @ 1 KHz	31 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	62.4 lbs.
Min. Bend Radius (Install)	3.3"

Specification Issue Date: 2/07

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