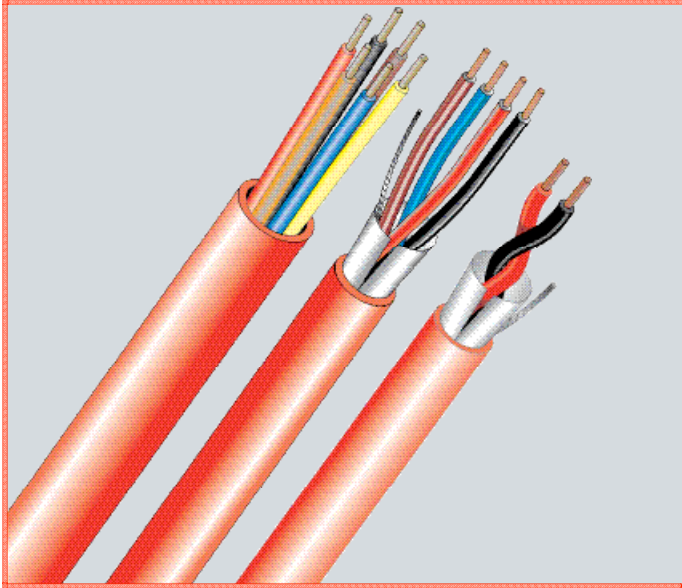


# Fire Alarm Cables

**WEST PENN WIRE**



**West Penn Wire** is one of the original and leading manufactures of Fire Alarm cables in the world. Security and Alarm cables are a vital part of the building and construction industries. **West Penn Wire's** Security and FireAlarm cables have been one of the most trusted names in the Security industry.

**West Penn Wire** offers the broadest line of fire alarm cables in the industry! Our fire alarm cables are designed to meet Conventional and Addressable system specifications. **West Penn Wire** also offers Circuit Integrity fire alarm cables.

For more detailed information on our fire alarm cables, contact our Customer Service Department at **1-800-245-4964**, or e-mail us at: **sales@westpenn-wpw.com**. Information can also be found on our website: **www.westpenn-wpw.com**

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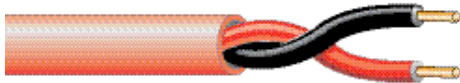
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Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

# Fire Alarm Cables

WEST PENN WIRE



## Fire Alarm Cables Power-Limited Multiple Conductor/ Unshielded

### Description:

- ASTM bare copper • PVC insulation • Twisted pair or cabled construction • Overall PVC jacket

### Rating:

- NEC Type FPLR
- (UL) or (ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666

### Applications:

Indoor for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R.	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
980	1 Pair	18 AWG Solid 6.5 Ω/Mft	PVC .010	None	PVC .015	.146	FPLR	29 pf/ft*	RD, BK, WH, YE
982	4	18 AWG Solid 6.5 Ω/Mft	PVC .010	None	PVC .015	.178	FPLR	29 pf/ft*	RD, BK, WH, YE
990	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .010	None	PVC .015	.155	FPLR	32 pf/ft*	RD, BK, WH, YE
992	4	16 AWG Solid 4.1 Ω/Mft	PVC .010	None	PVC .015	.203	FPLR	32 pf/ft*	Red
994	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .012	None	PVC .015	.195	FPLR	35 pf/ft*	RD, BK, BL, WH, YE
700	4	14 AWG Solid 2.6 Ω/Mft	PVC .012	None	PVC .015	.240	FPLR	35 pf/ft*	Red
998	1 Pair	12 AWG Solid 1.8 Ω/Mft	PVC .012	None	PVC .015	.225	FPLR	45 pf/ft*	Red
990S New	1 Pair	16 AWG Strd. 4.1 Ω/Mft	PVC .010	None	PVC .015	.155	FPLR	32 pf/ft*	Red
994S New	1 Pair	14 AWG Strd. 2.6 Ω/Mft	PVC .012	None	PVC .015	.195	FPLR	35 pf/ft*	Red
998S New	1 Pair	12 AWG Strd. 1.8 Ω/Mft	PVC .012	None	PVC .015	.225	FPLR	45 pf/ft*	Red

### Special Notes:

- Selected Plenum Versions see pages 52
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 43.
- Orange rip cord under jacket

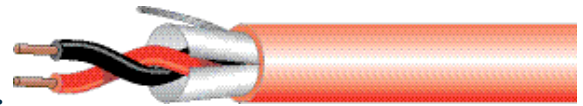
\* Capacitance between conductors.

Color Code- See page 49

# Fire Alarm Cables

WEST PENN WIRE

## Fire Alarm Cables Power-Limited Multiple Conductor/ Shielded



### Applications:

#### Indoor for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

### Description:

- ASTM bare copper • PVC insulation • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil binders as required with TC drain wire
- Overall PVC jacket

### Rating:

- NEC Type FPLR
- (UL) or (ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
1083	4	22 AWG Solid 17.5 Ω/Mft	PVC .010	Al. Foil 100%	PVC .015	.146	FPLR	54 pf/ft* 97 pf/ft**	Red
975	1 Pair	18 AWG Solid 6.5 Ω/Mft	PVC .010	Al. Foil 100%	PVC .015	.149	FPLR	73 pf/ft* 133 pf/ft**	Red
977	4	18 AWG Solid 6.5 Ω/Mft	PVC .010	Al. Foil 100%	PVC .015	.182	FPLR	73 pf/ft* 133 pf/ft**	Red
991	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .010	Al. Foil 100%	PVC .015	.160	FPLR	82 pf/ft* 148 pf/ft**	RD, BK, WH, YE
993	4	16 AWG Solid 4.1 Ω/Mft	PVC .010	Al. Foil 100%	PVC .015	.207	FPLR	82 pf/ft* 148 pf/ft**	Red
995	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .012	Al. Foil 100%	PVC .015	.201	FPLR	84 pf/ft* 151 pf/ft**	Red
999	1 Pair	12 AWG Solid 1.8 Ω/Mft	PVC .012	Al. Foil 100%	PVC .015	.230	FPLR	96 pf/ft* 173 pf/ft**	Red

\* Capacitance between conductors.

\*\* Capacitance between one conductor and the other connected to the shield

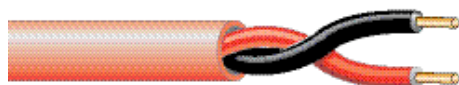
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	<b>JACKET:</b> RD-Red, BK-Black, WH- White, YE-Yellow

### Special Notes:

- Selected Plenum Versions see pages 53
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see pages 44
- Orange rip cord under jacket

# Fire Alarm Cables

**WEST PENN WIRE**



## Power-Limited / Unshielded Addressable Systems/ Data Cable

### Description:

- ASTM bare copper • Polyolefin insulation • Short overall twist lengths • Unshielded construction • Overall PVC jacket

### Rating:

- NEC Type FPL
- (UL) or (ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1685

### Applications:

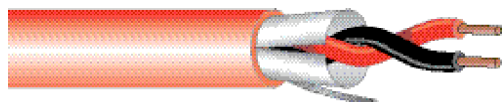
Indoor data cable for:

- Data Circuits
- Addressable Systems
- Initiating Circuits
- Notification Circuits

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
D980	1 Pair	18 AWG Solid 6.5 Ω/Mft	Polyolefin .015	None	PVC .030	.182	FPL	16 pf/ft*	Red
D982	4	18 AWG Solid 6.5 Ω/Mft	Polyolefin .015	None	PVC .030	.230	FPL	16 pf/ft*	Red
D990	1 Pair	16 AWG Solid 4.1 Ω/Mft	Polyolefin .015	None	PVC .030	.223	FPL	18 pf/ft*	Red

\* Capacitance between conductors.



## Power-Limited / Shielded Addressable Systems/ Data Cable

### Description:

- ASTM bare copper • Polyolefin insulation • Short overall twist length • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
D975	1 Pair	18 AWG Solid 6.5 Ω/Mft	Polyolefin .015	Al. Foil 100%	PVC .030	.210	FPL	25 pf/ft* 45 pf/ft**	Red
D991	1 Pair	16 AWG Solid 4.1 Ω/Mft	Polyolefin .015	Al. Foil 100%	PVC .030	.226	FPL	30 pf/ft* 54 pf/ft**	Red
D995	1 Pair	14 AWG Solid 2.6 Ω/Mft	Polyolefin .020	Al. Foil 100%	PVC .030	.262	FPL	30 pf/ft* 54 pf/ft**	Red

\* Capacitance between conductors.

\*\* Capacitance between one conductor and the other connected to the shield

Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	<b>JACKET: Red</b>

### Special Notes:

- Selected Plenum Versions see pages 53
- Orange rip cord under jacket

# Fire Alarm Cables

**WEST PENN WIRE**

## Fire Alarm Cables

### Power-Limited One & Two Conductor/ Parallel

#### Description:

- ASTM bare copper • PVC insulation
- Two conductor parallel features- PERFECTSTRIPE®

#### Applications:

Indoor for:

- Power-Limited Protective Circuits

#### Rating:

- NEC Type FPL
- (UL) or (ETL)us Listed
- Flame Rating: UL1685

### Single Conductor

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
962	1	14AWG Solid 2.6 Ω/Mft	PVC .020	None	--	.104	<b>FPL</b>	--	BK, GN, BN, WH, RD, OR, YE

### Parallel Construction- Two Conductor

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
970	2	18 AWG Solid 6.5 Ω/Mft	PVC .032	None	--	.104x.204	<b>FPL</b>	--	RD, WH, OR, BN, BL, BK
971	2	16 AWG Solid 4.1 Ω/Mft	PVC .032	None	--	.115x.225	<b>FPL</b>	--	RD, WH, BK
972	2	14 AWG Solid 2.6 Ω/Mft	PVC .032	None	--	.128x.250	<b>FPL</b>	--	RD, WH, BK
974	2	12 AWG Solid 1.8 Ω/Mft	PVC .032	None	--	.146x.300	<b>FPL</b>	--	RD, BK

Colors	
Jacket Colors	RD-Red, BK-Black WH- White, YE-Yellow, OR-Orange, BN-Brown

## Do you need Cable Accessories?

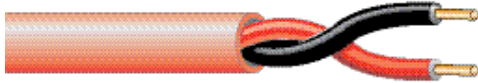
Do not forget that West Penn Wire offers a complete and comprehensive line of:

- Connectors
- Cable Assemblies
- Installation Kits
- Fiber Optic Accessories
- A/V Wall Plates



# Fire Alarm Plenum Cables

**WEST PENN WIRE**



**Fire Alarm Cables**  
**Power-Limited/ Unshielded**  
**Plenecon II® Extra Flexible**

## Description:

- ASTM bare copper • Polymer alloy insulation
- Twisted pair or cabled construction • Flexible plenum jacket

## Rating:

- NEC Type FPLP
- (UL) or (ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

## Applications:

Indoor within ducts, plenums and other spaces used for environmental air:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
60980B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.010	None	.015	.142	FPLP	29 pf/ft*	Red
60982B	4	18 AWG Solid 6.5 Ω/Mft	.010	None	.015	.175	FPLP	29 pf/ft*	Red
60991B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.010	None	.015	.161	FPLP	32 pf/ft*	Red
60164B	4	16 AWG Solid 4.1 Ω/Mft	.010	None	.015	.220	FPLP	32 pf/ft*	Red
60993B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.012	None	.015	.191	FPLP	35 pf/ft*	Red
60700B	4	14 AWG Solid 2.6 Ω/Mft	.012	None	.015	.252	FPLP	35 pf/ft*	Red
60995B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.012	None	.015	.225	FPLP	45 pf/ft*	Red

\* Capacitance between conductors.

## Special Notes:

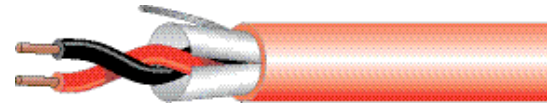
- Plenum Installation Precautions see Technical Reference Section Page 192

Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	<b>JACKET: Red</b>



# Fire Alarm Plenum Cables

WEST PENN WIRE



## Fire Alarm Cables Power-Limited / Shielded Plenecon II® Extra Flexible

### Applications:

Indoor within ducts, plenums and other spaces used for environmental air:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

### Description:

- ASTM bare copper • Polymer Alloy insulation • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Flexible plenum jacket

### Rating:

- NEC Type FPLP
- (UL) or (ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
60975B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.010	Al. Foil 100%	.015	.148	FPLP	54 pf/ft* 97 pf/ft**	Red
60977B	4	18 AWG Solid 6.5 Ω/Mft	.010	Al. Foil 100%	.015	.178	FPLP	54 pf/ft* 97 pf/ft**	Red
60990B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.010	Al. Foil 100%	.015	.166	FPLP	61 pf/ft* 110 pf/ft**	Red
603164B	4	16 AWG Solid 4.1 Ω/Mft	.010	Al. Foil 100%	.015	.210	FPLP	61 pf/ft* 110 pf/ft**	Red
60992B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.012	Al. Foil 100%	.015	.198	FPLP	84 pf/ft* 151 pf/ft**	Red
60994B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.012	Al. Foil 100%	.015	.224	FPLP	96 pf/ft* 173 pf/ft**	Red

### DATA GRADE PLENUM

D60975 ^	1 Pair	18 AWG Solid 6.5 Ω/Mft	.012	Al. Foil 100%	.015	.165	FPLP	25 pf/ft* 45 pf/ft**	Red
D60990 ^	1 Pair	16 AWG Solid 4.1 Ω/Mft	.015	Al. Foil 100%	.015	.184	FPLP	30 pf/ft* 54 pf/ft**	Red

^ - Data grade versions for addressable systems contain Low Loss Insulation and Overall Flexible Plenum Jacket.

\* Capacitance between conductors.

\*\* Capacitance between one conductor and the other connected to the shield

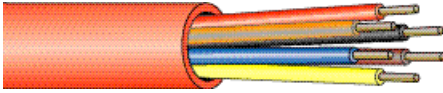
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	<b>JACKET: Red</b>

### Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 192

# Fire Alarm Cables

**WEST PENN WIRE**



## Fire Alarm Cables Nonpower-Limited/ Unshielded

### Applications:

Indoor for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

### Description:

- ASTM bare copper • PVC insulation with Nylon • Twisted pair or cabled construction • Overall PVC jacket

### Rating:

- NEC Type NPLF
- (UL) or (ETL)us Listed
- Meets 150V requirements as specified in the NEC
- Flame Rating: UL1685

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
1990	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .016 Nylon .005	None	PVC .037	.252	<b>NPLF</b>	--	Red
1994	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .016 Nylon .005	None	PVC .037	.278	<b>NPLF</b>	--	Red

### Special Notes:

- Selected Plenum Versions see pages 56
- Orange rip cord under jacket

Color Code	
All Cables	1.Black, 2. Red
	<b>JACKET: Red</b>



# Fire Alarm Cables

WEST PENN WIRE



## Fire Alarm Cables NonPower-Limited/ Shielded

### Applications:

Indoor for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

### Description:

- ASTM bare copper • PVC insulation with Nylon • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall PVC jacket

### Rating:

- NEC Type NPLF
- (UL) or (ETL)us Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
1975	1 Pair	18 AWG Solid 6.5 Ω/Mft	PVC Nylon .016 .005	Al. Foil 100%	PVC .037	.244	NPLF	52 pf/ft* 94 pf/ft**	Red
1991	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC Nylon .016 .005	Al. Foil 100%	PVC .037	.264	NPLF	57 pf/ft* 103 pf/ft**	Red
1995	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC Nylon .016 .005	Al. Foil 100%	PVC .037	.284	NPLF	64 pf/ft* 115 pf/ft**	Red
1997	4	14 AWG Solid 2.6 Ω/Mft	PVC Nylon .016 .005	Al. Foil 100%	PVC .042	.388	NPLF	64 pf/ft* 115 pf/ft**	Red
1999	1 Pair	12 AWG Solid 1.8 Ω/Mft	PVC Nylon .016 .005	Al. Foil 100%	PVC .042	.328	NPLF	73 pf/ft* 131 pf/ft**	Red

\* Capacitance between conductors.

\*\* Capacitance between one conductor and the other connected to the shield

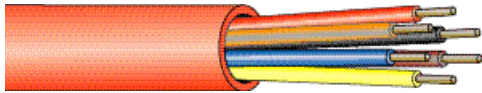
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	<b>JACKET: Red</b>

### Special Notes:

- Selected Plenum Versions see pages 56
- Orange rip cord under jacket

# Fire Alarm Plenum Cables

**WEST PENN WIRE**



## Fire Alarm Cables Nonpower-Limited/ Shielded & Unshielded Plenum

### Description:

- ASTM bare copper • Fluoropolymer insulation • Twisted pair or cabled construction • Unshielded and Shielded Versions (Shielded versions) 100% coverage of aluminum polyester foil with TC drain wire
- Overall fluoropolymer jacket

### Rating:

- NEC Type NPLFP
- (UL) or (ETL)us Listed
- Meets 150V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Standard pool size 1000ft.

### Applications:

Indoor for:

- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
251980†	1 Pair	18 AWG Solid 6.5 Ω/Mft	Fluoropolymer .020	None	.010	.185	<b>NPLFP</b>	--	Red
251975	1 Pair	18 AWG Solid 6.5 Ω/Mft	Fluoropolymer .020	Al. Foil 100%	.010	.195	<b>NPLFP</b>	--	Red
251991	1 Pair	16 AWG Solid 4.1 Ω/Mft	Fluoropolymer .020	Al. Foil 100%	.010	.214	<b>NPLFP</b>	--	Red
251994†	1 Pair	14 AWG Solid 2.6 Ω/Mft	Fluoropolymer .020	None	.010	.210	<b>NPLFP</b>	--	Red
251995	1 Pair	14 AWG Solid 2.6 Ω/Mft	Fluoropolymer .020	Al. Foil 100%	.010	.220	<b>NPLFP</b>	--	Red

### Special Notes:

† Unshielded version

- Plenum Installation Precautions see Technical Reference Section Page 192

Color Code	
All Cables	1.Black, 2. Red
	<b>JACKET: Red</b>

# Fire Alarm Cables

## Circuit Integrity in Conduit/ Shielded (CIC) - Riser Rated



### Applications:

#### Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from attack by fire

### Description:

- ASTM bare copper • Ceramifiable Silicon Rubber (CSR) Insulation • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall FRPE Low-Smoke, Non-Halogen Jacket

### Rating:

- NEC Type FPLR
- (UL) Listed
- Meets 300V requirements as specified in the NEC - 105°C
- Flame Rating: UL1666, UL2196 - 2 Hour Flame Test ( in conduit only)

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R.	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
5200FZ	2	16 AWG 7x24 4.0 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.37	FPLR	22pf/ft*	Red
5220FZ	2	16 AWG Solid 4.0 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.36	FPLR	20pf/ft*	Red
5222FZ	4	16 AWG Solid 4.0 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.41	FPLR	16pf/ft*	Red
5100FZ	2	14 AWG 7x22 2.5 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.41	FPLR	26pf/ft*	Red
5120FZ	2	14 AWG Solid 2.5 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.38	FPLR	23pf/ft*	Red
5000FZ	2	12 AWG 7x20 1.6 Ω/Mft	CSR .035	Al. Foil 100%	FRPE .056	.44	FPLR	27pf/ft*	Red

\* Capacitance between conductors.

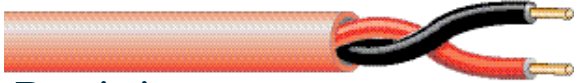
Color Code	
All Cables	Black, Red- 4 or more are Black and numbered
	JACKET: Red

### Special Notes:

- CSR- Ceramifiable Silicon Rubber
- FRPE- Flame Retardant Polyethylene

# Fire Alarm Cables

**WEST PENN WIRE**



## Circuit Integrity in Conduit/ Unshielded Riser Rated - (CIC)

### Description:

- ASTM bare copper • Ceramifiable Silicon Rubber (CSR) Insulation • Twisted pair or cabled construction
- Overall FRPE Low-Smoke, Non-Halogen Jacket

### Rating:

- NEC Type FPLR
- (UL) Listed
- Meets 300V requirements as specified in the NEC - 105°C
- Flame Rating: UL 1666, UL2196 - Two Hour Flame Test ( in conduit only)

### Applications:

#### Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from attack by fire

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
<b>5200UZ</b>	2	16 AWG 7x24 4.0 Ω/Mft	CSR .035	None	FRPE .056	.37	<b>FPLR</b>	16pf/ft*	Red
<b>5220UZ</b>	2	16 AWG Solid 4.0 Ω/Mft	CSR .035	None	FRPE .056	.35	<b>FPLR</b>	15pf/ft*	Red
<b>5100UZ</b>	2	14 AWG 7x22 2.5 Ω/Mft	CSR .035	None	FRPE .056	.40	<b>FPLR</b>	18pf/ft*	Red
<b>5120UZ</b>	2	14 AWG Solid 2.5 Ω/Mft	CSR .035	None	FRPE .056	.38	<b>FPLR</b>	17pf/ft*	Red

\* Capacitance between conductors.

### Special Notes:

- CSR- Ceramifiable Silicon Rubber
- FRPE- Flame Retardant Polyethylene

Color Code	
All Cables	Black, Red
	<b>JACKET: Red</b>

# Fire Alarm Cables

## Circuit Integrity/ Shielded (CI) - Riser Rated



### Applications:

#### Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from attack by fire

### Description:

- ASTM bare copper • Ceramifiable Silicon Rubber (CSR) Insulation • Twisted pair or cabled construction
- Overall shield 100% coverage of aluminum polyester foil with TC drain wire • Overall FRPE Low-Smoke, Non Halogen Jacket

### Rating:

- NEC Type FPLR-CI
- (UL) Listed
- Meets 300V requirements as specified in the NEC - 105°C
- Flame Rating: UL1666, UL2196 - 2 Hour Flame Test

Standard spool size 1000ft.

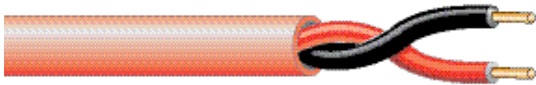
Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
5320FM	2	18 AWG Solid 5.9 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.31	FPLR-CI	27pf/ft*	Red
5322FM	4	18 AWG Solid 5.9 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.36	FPLR-CI	27pf/ft*	Red
5300FM	2	18 AWG 7x26 5.9 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.32	FPLR-CI	27pf/ft*	Red
5302FM	4	18 AWG 7x26 5.9 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.37	FPLR-CI	27pf/ft*	Red
5220FM	2	16 AWG Solid 4.0 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.33	FPLR-CI	31pf/ft*	Red
5222FM	4	16 AWG Solid 4.0 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.38	FPLR-CI	31pf/ft*	Red
5200FM	2	16 AWG 7x24 4.0 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.35	FPLR-CI	31pf/ft*	Red
5120FM	2	14 AWG Solid 2.5 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.36	FPLR-CI	33pf/ft*	Red
5122FM	4	14 AWG Solid 2.5 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.41	FPLR-CI	33pf/ft*	Red
5100FM	2	14 AWG 7x22 2.5 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.38	FPLR-CI	33pf/ft*	Red
5020FM	2	12 AWG Solid 1.6 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.39	FPLR-CI	37pf/ft*	Red
5022FM	4	12 AWG Solid 1.6 Ω/Mft	CSR .034	Al. Foil 100%	FRPE .045	.46	FPLR-CI	37pf/ft*	Red

Notes: Color Code Pg. 60

\* Capacitance between conductors.

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Insulation • Twisted pair or cabled construction
- Overall FRPE Low-Smoke, Non-Halogen Jacket

### Rating:

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- Meets 300V requirements as specified in the NEC - 105°C
- Flame Rating: UL 1666, UL2196- Two Hour Flame Test

### Applications:

#### Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability
- Survivability from attack by fire

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
5320UM	2	18 AWG Solid 5.9 Ω/Mft	CSR .034	None	FRPE .045	.31	FPLR-CI	17pf/ft*	Red
5322UM	4	18 AWG Solid 5.9 Ω/Mft	CSR .034	None	FRPE .045	.35	FPLR-CI	17pf/ft*	Red
5220UM	2	16 AWG Solid 4.0 Ω/Mft	CSR .034	None	FRPE .045	.33	FPLR-CI	19pf/ft*	Red
5222UM	4	16 AWG Solid 4.0 Ω/Mft	CSR .034	None	FRPE .045	.38	FPLR-CI	19pf/ft*	Red
5120UM	2	14 AWG Solid 2.5 Ω/Mft	CSR .034	None	FRPE .045	.36	FPLR-CI	21pf/ft*	Red
5122UM	4	14 AWG Solid 2.5 Ω/Mft	CSR .034	None	FRPE .045	.41	FPLR-CI	21pf/ft*	Red
5020UM	2	12 AWG Solid 1.6 Ω/Mft	CSR .034	None	FRPE .045	.39	FPLR-CI	23pf/ft*	Red
5022UM	4	12 AWG Solid 1.6 Ω/Mft	CSR .034	None	FRPE .045	.45	FPLR-CI	23pf/ft*	Red

\* Capacitance between conductors.

### Special Notes:

- CSR- Ceramifiable Silicon Rubber
- FRPE- Flame Retardant Polyethylene

Color Code	
All Cables	Black, Red- 4 or more are Black and numbered
	JACKET: Red