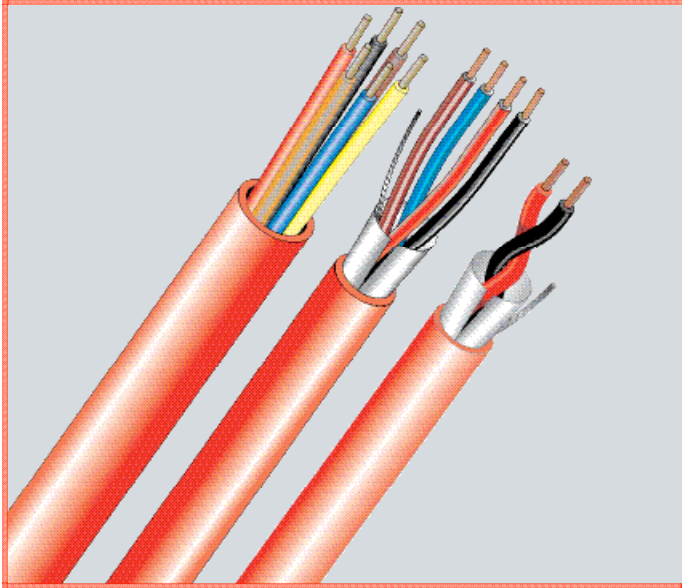


Fire Alarm Cables

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 Fire Alarm 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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Circuit Integrity

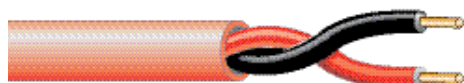
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Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

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

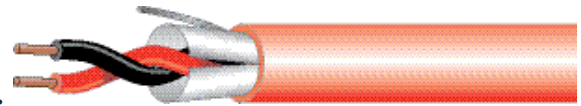
* Capacitance between conductors.

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

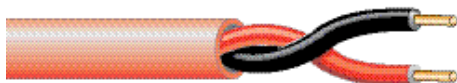
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	JACKET: RD-Red, BK-Black, WH- White, YE-Yellow

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:

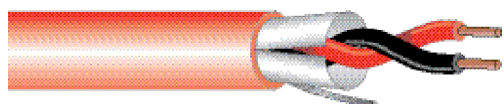
Indoor data cable for:

- 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
	JACKET: Red

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	FPL	--	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	FPL	--	RD, WH, OR, BN, BL, BK
971	2	16 AWG Solid 4.1 Ω/Mft	PVC .032	None	--	.115x.225	FPL	--	RD, WH, BK
972	2	14 AWG Solid 2.6 Ω/Mft	PVC .032	None	--	.128x.250	FPL	--	RD, WH, BK
974	2	12 AWG Solid 1.8 Ω/Mft	PVC .032	None	--	.146x.300	FPL	--	RD, BK

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

Do you need Cable Accessories?

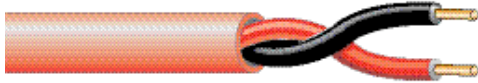
Do not forget that West Penn Wire offers a complete and comprehensive line of:

- 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.

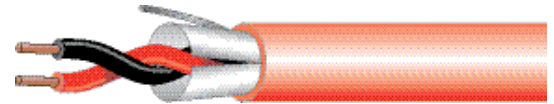
Special Notes:

- Plenum Installation Precautions see Technical Reference Section Page 192

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

Fire Alarm Plenum Cables

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

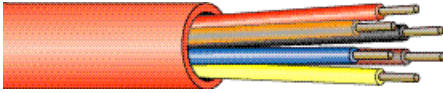
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	JACKET: Red

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 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
1990	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .016 Nylon .005	None	PVC .037	.252	NPLF	--	Red
1994	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .016 Nylon .005	None	PVC .037	.278	NPLF	--	Red

Special Notes:

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

Color Code	
All Cables	1.Black, 2. Red
	JACKET: Red

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

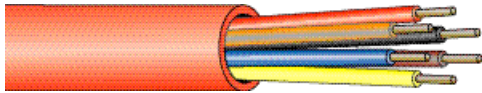
Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	JACKET: Red

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	Fluoro-polymer .020	None	.010	.185	NPLFP	--	Red
251975	1 Pair	18 AWG Solid 6.5 Ω/Mft	Fluoro-polymer .020	Al. Foil 100%	.010	.195	NPLFP	--	Red
251991	1 Pair	16 AWG Solid 4.1 Ω/Mft	Fluoro-polymer .020	Al. Foil 100%	.010	.214	NPLFP	--	Red
251994†	1 Pair	14 AWG Solid 2.6 Ω/Mft	Fluoro-polymer .020	None	.010	.210	NPLFP	--	Red
251995	1 Pair	14 AWG Solid 2.6 Ω/Mft	Fluoro-polymer .020	Al. Foil 100%	.010	.220	NPLFP	--	Red

Special Notes:

- † Unshielded version
- Plenum Installation Precautions see Technical Reference Section Page 192

Color Code	
All Cables	1.Black, 2. Red
	JACKET: Red

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.

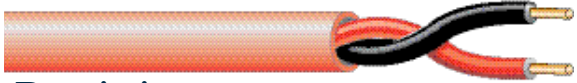
Color Code	
All Cables	Black, Red- 4 or more are Black and numbered
	JACKET: Red

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
5200UZ	2	16 AWG 7x24 4.0 Ω/Mft	CSR .035	None	FRPE .056	.37	FPLR	16pf/ft*	Red
5220UZ	2	16 AWG Solid 4.0 Ω/Mft	CSR .035	None	FRPE .056	.35	FPLR	15pf/ft*	Red
5100UZ	2	14 AWG 7x22 2.5 Ω/Mft	CSR .035	None	FRPE .056	.40	FPLR	18pf/ft*	Red
5120UZ	2	14 AWG Solid 2.5 Ω/Mft	CSR .035	None	FRPE .056	.38	FPLR	17pf/ft*	Red

* Capacitance between conductors.

Special Notes:

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

Color Code	
All Cables	Black, Red
	JACKET: Red

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.

Fire Alarm Cables

WEST PENN WIRE



Circuit Integrity / Unshielded Riser Rated - (CI)

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-CI
- (UL) Listed
- 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