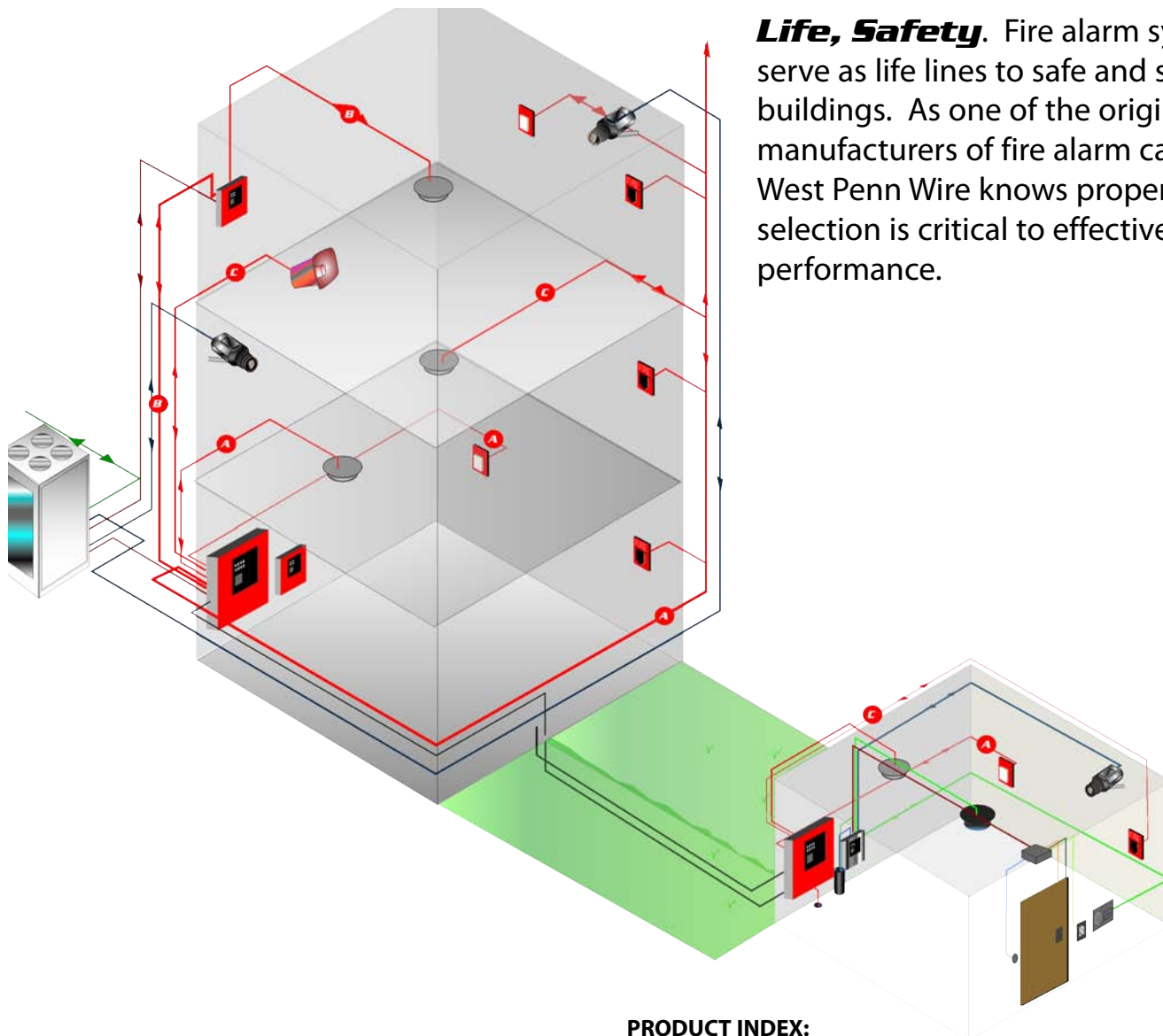


FIRE ALARM CABLES



Life, Safety. Fire alarm systems serve as life lines to safe and secure buildings. As one of the original manufacturers of fire alarm cable, West Penn Wire knows proper cable selection is critical to effective system performance.

SECURITY

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FIRE ALARM UNSHIELDED FPLR

Fire Alarm Cables Power-Limited Multiple Conductor/ Unshielded



Description:

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

Applications:

- Indoor for:
 - Audio Circuits
 - Control Circuits
 - Initiating Circuits
 - Notification Circuits

Rating:

- NEC Type FPLR
- (UL) 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 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 .008	None	PVC .017	.146	FPLR	32 pf/ft*	RD, BL, WH, YE
982	4	18 AWG Solid 6.5 Ω/Mft	PVC .008	None	PVC .017	.170	FPLR	32 pf/ft*	RD, BL, WH, YE
990	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .008	None	PVC .017	.168	FPLR	36 pf/ft*	RD, BL, WH, YE
992	4	16 AWG Solid 4.1 Ω/Mft	PVC .008	None	PVC .017	.198	FPLR	36 pf/ft*	Red
994	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .012	None	PVC .017	.210	FPLR	40 pf/ft*	RD, BL, WH, YE
700	4	14 AWG Solid 2.6 Ω/Mft	PVC .012	None	PVC .017	.246	FPLR	40 pf/ft*	Red
998	1 Pair	12 AWG Solid 1.8 Ω/Mft	PVC .012	None	PVC .017	.244	FPLR	47 pf/ft*	Red

Special Notes:

- Selected Plenum Versions see pages 55
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see Aquaseal Section pg.57
- Select Items are Packaged in our Advantage Box
- Orange rip cord under jacket

Tracer Marks:

Available upon Request: Minimum Quantities apply

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FIRE ALARM UNSHIELDED FPLP

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) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: NFPA-262 Smoke & Flame Test

Applications:

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

- Audio Circuits
- Control Circuits
- 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
60980B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	None	.015	.144	FPLP	32 pf/ft*	Red
60982B	4	18 AWG Solid 6.5 Ω/Mft	.008	None	.015	.166	FPLP	32 pf/ft*	Red
60991B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	None	.015	.164	FPLP	36 pf/ft*	RD, BL, OR, WH, YE
60164B	4	16 AWG Solid 4.1 Ω/Mft	.008	None	.015	.191	FPLP	36 pf/ft*	Red
60993B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.010	None	.015	.198	FPLP	40 pf/ft*	RD, BL, YE
60700B	4	14 AWG Solid 2.6 Ω/Mft	.010	None	.015	.236	FPLP	40 pf/ft*	Red
60995B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.010	None	.015	.239	FPLP	47 pf/ft*	Red

* Capacitance between conductors.

Special Notes:

- Plenum Installation precautions see Technical Reference Section pg. 254
- Select Items are Packaged in our Advantage Box

Tracer Marks:

Available upon Request: Minimum Quantities Apply

Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	JACKET: Red
Select Cables	INDICATOR CODE: RD- Red, BL-Blue, OR-Orange, WH-White, YE- Yellow

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FIRE ALARM UNSHIELDED STRANDED

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



Description:

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

Rating:

- NEC Type FPLR
- (UL) 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
990S	1 Pair	16 AWG Strd. 4.1 Ω/Mft	PVC .009	None	PVC .017	.182	FPLR	36 pf/ft*	Red
994S	1 Pair	14 AWG Strd. 2.6 Ω/Mft	PVC .010	None	PVC .017	.224	FPLR	40 pf/ft*	Red
998S	1 Pair	12 AWG Strd. 1.8 Ω/Mft	PVC .010	None	PVC .017	.260	FPLR	47 pf/ft*	Red

Stranded Conductor Fire Alarm Cables Plenum Power-Limited/ Unshielded Stranded Conductors Extra Flexible



Description:

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

Rating:

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



Applications:

Plenum 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
60991BS	1 Pair	16 AWG Stranded 4.1 Ω/Mft	.008	None	.015	.180	FPLP	36 pf/ft*	Red
60993BS	1 Pair	14 AWG Stranded 2.6 Ω/Mft	.010	None	.015	.210	FPLP	40 pf/ft*	Red
60995BS	1 Pair	12 AWG Stranded 1.8 Ω/Mft	.010	None	.015	.254	FPLP	47 pf/ft*	Red

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FIRE ALARM UNSHIELDED **AQUASEAL**

Aquaseal® Water Blocking Cable Multi-Conductor/ 300 Volts Power-Limited



Applications:

Indoor/Outdoor Use:

- Low Voltage Industrial Process Control
- Power-Limited Circuits
- Power-Limited Fire Alarm Circuits
- Power-Limited Tray Cable PLTC
- Speaker Level

Underground - Direct Burial

Standard spool size 1000ft.

Description:

- ASTM Bare Copper • PVC insulation with nylon • Twisted pair or cabled construction • Waterblocked Construction • Overall Sunlight/Moisture Resistant PVC jacket

Rating:

- NEC Type FPL or PLTC or CL3
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Direct Burial
- Flame Rating: UL1685

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
AQ224	1 Pair	18 AWG (7x26) 6.2 Ω/Mft	PVC .015 Nylon .005	None	.035	.270	CL3/FPL PLTC	25 pf/ft*	Black
AQ244	4	18 AWG (7x26) 6.2 Ω/Mft	PVC .015 Nylon .005	None	.040	.327	CL3/FPL PLTC	25 pf/ft*	Black
AQ225	1 Pair	16 AWG (7x24) 4.2 Ω/Mft	PVC .015 Nylon .005	None	.040	.295	CL3/FPL PLTC	28 pf/ft*	Black
AQ245	4	16 AWG (7x24) 4.2 Ω/Mft	PVC .015 Nylon .005	None	.040	.355	CL3/FPL PLTC	28 pf/ft*	Black
AQ226	1 Pair	14 AWG (19x27) 2.7 Ω/Mft	PVC .015 Nylon .005	None	.040	.310	CL3/FPL PLTC	32 pf/ft*	Black
AQ246	4	14 AWG (19x27) 2.7 Ω/Mft	PVC .015 Nylon .005	None	.040	.395	CL3/FPL PLTC	32 pf/ft*	Black
AQ227	1 Pair	12 AWG (19x25) 1.7 Ω/Mft	PVC .015 Nylon .005	None	.040	.340	CL3/FPL PLTC	36 pf/ft*	Black

Special Notes:

- Orange ripcord under jacket

Underground- In-Conduit

* Capacitance between conductors.

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding % Cov. Drain Wire	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
AQC224	1 Pair	18 AWG (7x26) 6.2Ω/Mft	PVC .010	None	PVC .025	.218	CM/CL3 FPL	30pf/ft	Gray
AQC225	1 Pair	16 AWG (19x29) 4.2Ω/Mft	PVC .010	None	PVC .025	.242	CM/CL3 FPL	32pf/ft	Gray
AQC226	1 Pair	14 AWG (19x27) 2.7Ω/Mft	PVC .015	None	PVC .025	.294	CL3 FPL	34pf/ft	Gray

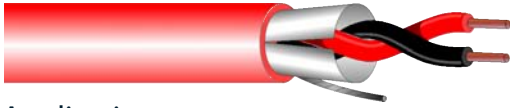
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FIRE ALARM SHIELDED FPLR

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 24 AWG TC drain wire
- Overall PVC jacket

Rating:

- NEC Type FPLR
- (UL) 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 Inches	Shielding & % Coverage	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
975	1 Pair	18 AWG Solid 6.5 Ω/Mft	PVC .008	Al. Foil 100%	PVC .017	.150	FPLR	66 pf/ft* 119 pf/ft**	RD, BL, WH, YE
977	4	18 AWG Solid 6.5 Ω/Mft	PVC .008	Al. Foil 100%	PVC .017	.180	FPLR	66 pf/ft* 119 pf/ft**	Red
991	1 Pair	16 AWG Solid 4.1 Ω/Mft	PVC .010	Al. Foil 100%	PVC .017	.172	FPLR	78 pf/ft* 140 pf/ft**	RD, BL, WH, YE
993	4	16 AWG Solid 4.1 Ω/Mft	PVC .008	Al. Foil 100%	PVC .017	.200	FPLR	78 pf/ft* 140 pf/ft**	Red
995	1 Pair	14 AWG Solid 2.6 Ω/Mft	PVC .012	Al. Foil 100%	PVC .017	.215	FPLR	84 pf/ft* 151 pf/ft**	Red
999	1 Pair	12 AWG Solid 1.8 Ω/Mft	PVC .012	Al. Foil 100%	PVC .017	.248	FPLR	99 pf/ft* 178 pf/ft**	Red

Color Code	
All Cables	1.Black, 2. Red, 3. Brown, 4. Blue
	JACKET: Red
Select Cables	INDICATOR CODE: RD- Red, BL-Blue, OR-Orange, WH-White, YE- Yellow

* Capacitance between conductors.

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

Special Notes:

- Selected Plenum Versions see pages 59
- Selected Indoor/Outdoor Aquaseal Water Resistant® Versions see Aquaseal Section pg.61
- Select Items are Packaged in our Advantage Box
- Orange rip cord under jacket

Tracer Marks:

Available upon Request: Minimum Quantities apply

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FIRE ALARM SHIELDED FPLP

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 24 AWG TC drain wire • Flexible plenum jacket

Rating:

- NEC Type FPLP
- (UL) 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	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches	Inches			
60975B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.015	.148	FPLP	66 pf/ft* 119 pf/ft**	Red
60977B	4	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.015	.170	FPLP	66 pf/ft* 119 pf/ft**	Red
60990B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.168	FPLP	78 pf/ft* 140 pf/ft**	Red
603164B	4	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.195	FPLP	78 pf/ft* 140 pf/ft**	Red
60992B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.010	Al. Foil 100%	.015	.202	FPLP	84 pf/ft* 151 pf/ft**	Red
60994B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.010	Al. Foil 100%	.015	.243	FPLP	99 pf/ft* 178 pf/ft**	Red

* Capacitance between conductors.

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

Special Notes:

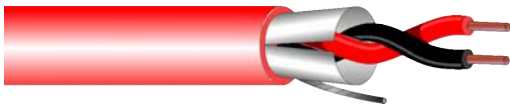
- Plenum Installation precautions see Technical Reference Section pg. 254
- Select Items are Packaged in our Advantage Box

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FIRE ALARM SHIELDED STRANDED

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



Description:

- ASTM Stranded bare copper • Polymer Alloy insulation • Twisted pair
- Overall shield 100% coverage of aluminum polyester foil with 24 AWG TC drain wire • Flexible plenum jacket

Rating:

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



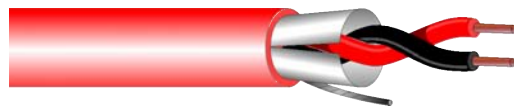
Applications:

- 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
995S	1 Pair	14 AWG Stranded 2.6 Ω/Mft	PVC .012	Al. Foil 100%	PVC .017	.232	FPLR	85 pf/ft* 153 pf/ft**	Red
999S	1 Pair	12 AWG Stranded 1.8 Ω/Mft	PVC .012	Al. Foil 100%	PVC .017	.264	FPLR	97 pf/ft* 175 pf/ft**	Red

Stranded Conductor Fire Alarm Cables Plenum Power-Limited/ Shielded Stranded Conductors Extra Flexible



Description:

- ASTM Stranded bare copper • Polymer Alloy insulation • Twisted pair
- Overall shield 100% coverage of aluminum polyester foil with 24 AWG TC drain wire • Flexible plenum jacket

Rating:

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



Applications:

- Plenum 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
60990BS	1 Pair	16 AWG Stranded 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.174	FPLP	80 pf/ft* 144 pf/ft**	Red
60992BS	1 Pair	14 AWG Stranded 2.6 Ω/Mft	.010	Al. Foil 100%	.015	.210	FPLP	85 pf/ft* 153 pf/ft**	Red
60994BS	1 Pair	12 AWG Stranded 1.8 Ω/Mft	.010	Al. Foil 100%	.015	.249	FPLP	97 pf/ft* 175 pf/ft**	Red

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FIRE ALARM SHIELDED **AQUASEAL**

Aquaseal® Water Blocking Cable Multi-Conductor/ 300 Volts Power-Limited Shielded

Description:

- ASTM Bare Copper • PVC insulation with Nylon • Twisted pair or cabled construction • Overall shield 100% coverage of aluminum polyester foil with drain wire • Waterblocked Construction
- Overall Sunlight/ Moisture Resistant PVC jacket

Rating:

- NEC Type FPL or PLTC or CL3
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Direct Burial
- Flame Rating: UL1685



Applications:

Indoor/Outdoor Use:

- Low Voltage Industrial Process Control
- Power-Limited Circuits
- Power-Limited Fire Alarm Circuits
- Power-Limited Tray Cable PLTC
- Line Level Audio



Underground - Direct Burial

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding % Coverage	Jacket Type & Thickness	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
AQ293	1 Pair	18 AWG (7x26) 6.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.310	CL3/FPL PLTC	32 pf/ft* 58 pf/ft**	Black
AQ3244	4	18 AWG (7x26) 6.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.371	CL3/FPL PLTC	32 pf/ft* 58 pf/ft**	Black
AQ294	1 Pair	16 AWG (7x24) 4.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.328	CL3/FPL PLTC	37 pf/ft* 67 pf/ft**	Black
AQ3245	4	16 AWG (7x24) 4.2Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.050	.415	CL3/FPL PLTC	37 pf/ft* 67 pf/ft**	Black
AQ295	1 Pair	14 AWG (19x27) 2.7Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.350	CL3/FPL PLTC	46 pf/ft* 83 pf/ft**	Black
AQ296	1 Pair	12 AWG (19x25) 1.7Ω/Mft	PVC .015 Nylon .005	Al. Foil-100% 24 Strd.	.040	.375	CL3/FPL PLTC	54 pf/ft* 97 pf/ft**	Black

* Capacitance between conductors.

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

Underground- In-Conduit



Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding % Coverage	Jacket Type & Thickness	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
			Inches	Drain Wire	Inches				
AQC293	1 Pair	18 AWG (7x26) 6.2 Ω/Mft	PVC .010	Al. Foil-100% 24 Strd.	PVC .025	.257	CM/CL3 FPL	46 pf/ft* 83 pf/ft**	Gray
AQC294	1 Pair	16 AWG (19x29) 4.2Ω/Mft	PVC .010	Al. Foil-100% 24 Strd.	PVC .025	.281	CM/CL3 FPL	54 pf/ft* 97 pf/ft**	Gray
AQC295	1 Pair	14 AWG (19x27) 2.7Ω/Mft	PVC .015	Al. Foil-100% 24 Strd.	PVC .025	.333	CL3 FPL	59 pf/ft* 106 pf/ft**	Gray

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FIRE ALARM ADDRESSABLE FPLR

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

Applications:

Indoor data cable for:

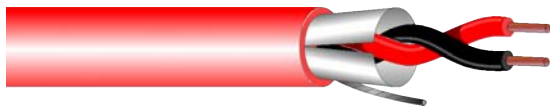
- Data Circuits
- Addressable Systems
- Initiating Circuits
- Notification Circuits

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	.196	FPLR	16 pf/ft*	Red
D990	1 Pair	16 AWG Solid 4.1 Ω/Mft	Polyolefin .015	None	PVC .030	.223	FPLR	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 24 AWG 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 .035	.223	FPLR	25 pf/ft* 45 pf/ft**	Red
D991	1 Pair	16 AWG Solid 4.1 Ω/Mft	Polyolefin .015	Al. Foil 100%	PVC .035	.245	FPLR	30 pf/ft* 54 pf/ft**	Red
D995	1 Pair	14 AWG Solid 2.6 Ω/Mft	Polyolefin .020	Al. Foil 100%	PVC .035	.281	FPLR	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:

- Orange rip cord under jacket
- Select Items are Packaged in our Advantage Box

FIRE ALARM ADDRESSABLE FPLP

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



Applications:

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

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

Description:

- ASTM bare copper • Teflon Insulation • Twisted pair construction
- Overall shield 100% coverage of aluminum polyester foil with 24 AWG TC drain wire • Flexible plenum jacket

Rating:

- NEC Type FPLP
- (UL) 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	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
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	.012	Al. Foil 100%	.015	.188	FPLP	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:

- Plenum Installation precautions see Technical Reference Section pg. 254
- Select Items are Packaged in our Advantage Box

SECURITY

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FIRE ALARM LL5 UNSHIELDED FPLP

Fire Alarm Cables Local Law 5 (LL5) Power-Limited/ Unshielded



Description:

- ASTM bare copper • Fluoropolymer • Twisted pair or cabled construction • Unshielded • Fluoropolymer jacket- 150 Deg.

Rating:

Power Limited Fire Alarm Cable also classified for use a Fire Alarm Cable in New York City.

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



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
LL5182	1 Pair	18 AWG Solid 6.5 Ω/Mft	.016	None	.026	.205	FPLP	29 pf/ft*	Red
LL5184	4	18 AWG Solid 6.5 Ω/Mft	.016	None	.026	.238	FPLP	29 pf/ft*	Red
LL5162	1 Pair	16 AWG Solid 4.1 Ω/Mft	.016	None	.026	.225	FPLP	32 pf/ft*	Red
LL5164	4	16 AWG Solid 4.1 Ω/Mft	.016	None	.026	.265	FPLP	32 pf/ft*	Red
LL5142	1 Pair	14 AWG Solid 2.6 Ω/Mft	.016	None	.026	.248	FPLP	35 pf/ft*	Red
LL5144	4	14 AWG Solid 2.6 Ω/Mft	.016	None	.026	.302	FPLP	35 pf/ft*	Red
LL5122	1 Pair	12 AWG Solid 1.8 Ω/Mft	.016	None	.026	.278	FPLP	45 pf/ft*	Red

Special Notes:

- Orange rip cord under jacket
- Select Items are Packaged in our Advantage Box

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

SECURITY

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FIRE ALARM LL5 SHIELDED FPLP

Fire Alarm Cables Local Law 5 (LL5) Power Limited/ Shielded



Applications:

Indoor for:

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

Description:

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

Rating:

Power Limited Fire Alarm Cable also classified for use as Fire Alarm Cable in New York City.

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



Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
LL5182SH	1 Pair	18 AWG Solid 6.5 Ω/Mft	.016	Al. Foil 100%	.026	.210	FPLP	54 pf/ft* 97 pf/ft**	Red
LL5184SH	4	18 AWG Solid 6.5 Ω/Mft	.016	Al. Foil 100%	.026	.245	FPLP	54 pf/ft* 97 pf/ft**	Red
LL5162SH	1 Pair	16 AWG Solid 4.1 Ω/Mft	.016	Al. Foil 100%	.026	.230	FPLP	61 pf/ft* 110 pf/ft**	Red
LL5164SH	4	16 AWG Solid 4.1 Ω/Mft	.016	Al. Foil 100%	.026	.272	FPLP	61 pf/ft* 110 pf/ft**	Red
LL5142SH	1 Pair	14 AWG Solid 2.6 Ω/Mft	.016	Al. Foil 100%	.026	.258	FPLP	84 pf/ft* 151 pf/ft**	Red
LL5122SH	1 Pair	12 AWG Solid 1.8 Ω/Mft	.016	Al. Foil 100%	.026	.285	FPLP	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: Red

Special Notes:

- Orange rip cord under jacket
- Select Items are Packaged in our Advantage Box

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FIRE ALARM CABLES

Fire Alarm Cables Power-Limited Two Conductor/ Parallel

Applications:

Indoor for:

- Power-Limited Fire Protective Circuits

Description:

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

Rating:

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

Parallel Construction- Two Conductor

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
970	2	18 AWG Solid 6.5 Ω/Mft	PVC .032	None	--	.104x.204	FPL	--	Red
971	2	16 AWG Solid 4.1 Ω/Mft	PVC .032	None	--	.115x.225	FPL	--	Red
972	2	14 AWG Solid 2.6 Ω/Mft	PVC .032	None	--	.128x.250	FPL	--	Red

NOTE:

Additional Colored Jackets are available upon request. Minimum quantity orders may apply.

- Select Items are Packaged in our Advantage Box

Colors	
Jacket Colors	Red

Fire Alarm Cables Nonpower-Limited- Shielded

Applications:

Indoor for:

- NonPower-Limited Fire Protective Circuits

Rating:

- NEC Type NPLF
- (UL) Listed
- 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.	NEC Type	Nom. Capacitance	Jacket Color
1975	2	18 AWG Solid 6.5 Ω/Mft	PVC .016 Nylon .005	Al. Foil 100%	PVC .037	.244	NPLF	52pf/ft* 94pf/ft**	Red
1991	2	16 AWG Solid 4.1 Ω/Mft	PVC .016 Nylon .005	Al. Foil 100%	PVC .037	.264	NPLF	57pf/ft* 103pf/ft**	Red
1995	2	14 AWG Solid 2.6 Ω/Mft	PVC .016 Nylon .005	Al. Foil 100%	PVC .037	.284	NPLF	64pf/ft* 115pf/ft**	Red

* Capacitance between conductors.

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

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

Security

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FIRE ALARM SHIELDED CIC

Circuit Integrity in Conduit/ shielded (CIC) - Riser Rated



Applications:

Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability

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 pool 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
- CIC Cables have been tested to pass the 2 hour UL2196 Flame test in conduit. CIC cables can not be deployed outside the conduit and maintain a CI rating.
- Non-Standard/Stocked Items- Non-Returnable

Security

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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

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
- CIC Cables have been tested to pass the 2 hour UL2196 Flame test in conduit. CIC cables can not be deployed outside the conduit and maintain a CI rating.
- Non-Standard/Stocked Items- Non-Returnable

Color Code	
All Cables	Black, Red
	JACKET: Red

Circuit Integrity/ Shielded (CI) - Riser Rated

Applications:

Indoor for:

- Circuit Integrity
- Fire Alarm Circuit Integrity
- Survivability

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	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
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

Special Notes: See page 70

* Capacitance between conductors.

FIRE ALARM UNSHIELDED CI

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

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
- CI Cables have been tested to pass the 2 hour UL2196 Flame test not in conduit. CI rated cables can not be deployed in conduit and maintain a CI rating.
- Non-Standard/Stocked Items- Non-Returnable

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

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