

# Aquaseal® Water Resistant Cables

## Superior UL-Rated Cables for Outdoor In-Conduit & Direct Burial Applications

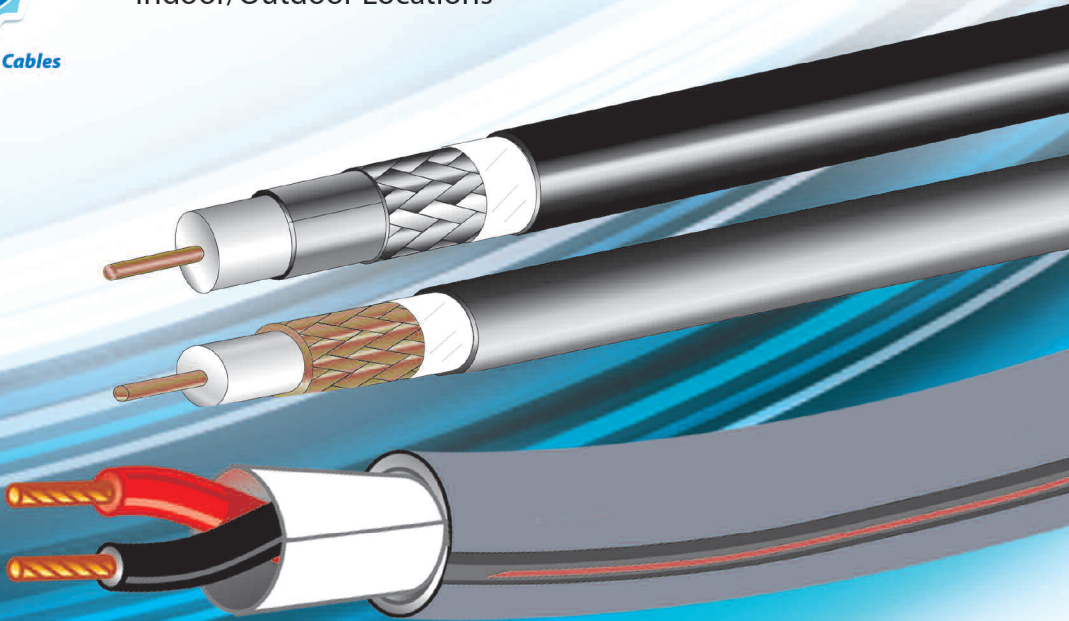
**Aquaseal®**



Water Resistant Cables

### Aquaseal® Fire Alarm Cables

- Unshielded and Shielded
- In-Conduit and Direct Burial
- Indoor/Outdoor Locations



# FIRE ALARM CABLES

UNSHIELDED NON-PLENUM

## Power-Limited Multiple Conductor / Unshielded

### Applications:

Indoor for:

- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Bare Copper
- Thermoplastic 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



Standard spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R.	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
980	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	None	.017	.146	FPLR	31 pf/ft*
982	4	18 AWG Solid 6.5 Ω/Mft	.008	None	.017	.170	FPLR	31 pf/ft*
990	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	None	.017	.168	FPLR	34 pf/ft*
992	4	16 AWG Solid 4.1 Ω/Mft	.008	None	.017	.198	FPLR	34 pf/ft*
994	1 Pair	14 AWG Solid 2.6 Ω/Mft	.012	None	.017	.210	FPLR	34 pf/ft*
700	4	14 AWG Solid 2.6 Ω/Mft	.012	None	.017	.246	FPLR	34 pf/ft*
998	1 Pair	12 AWG Solid 1.8 Ω/Mft	.012	None	.017	.244	FPLR	40 pf/ft*

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

\* Capacitance between conductors.

### Notes:

- Selected Indoor/Outdoor [Aquaseal Water Resistant\\* Versions](#), see Aquaseal Section
- Selected Halogen Free Versions
- 500ft put up lengths may be available, minimum quantities may apply.



# FIRE ALARM CABLES

UNSHIELDED PLENUM

## Power-Limited / Unshielded



### Applications:

- Indoor for: Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### 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

Standard spool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
60980B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	None	.015	.144	FPLP	31 pf/ft*
60982B	4	18 AWG Solid 6.5 Ω/Mft	.008	None	.015	.166	FPLP	31 pf/ft*
60991B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	None	.015	.164	FPLP	34 pf/ft*
60164B	4	16 AWG Solid 4.1 Ω/Mft	.008	None	.015	.191	FPLP	34 pf/ft*
60993B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.010	None	.015	.198	FPLP	33 pf/ft*
60700B	4	14 AWG Solid 2.6 Ω/Mft	.010	None	.015	.236	FPLP	33 pf/ft*
60995B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.010	None	.015	.239	FPLP	40 pf/ft*

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

### Notes:

- Plenum Installation Precautions see Technical Reference Section, Page 130.
- 500ft put up lengths may be available, minimum quantities may apply.

### Tracer Marks:

Available Upon Request: Minimum Quantities Apply.

# FIRE ALARM CABLES

UNSHIELDED STRANDED CONDUCTOR

## Power-Limited Multiple Conductor / Unshielded



### Applications:

- Indoor for:
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Stranded Bare Copper
- Thermoplastic 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

Standard spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
990S	1 Pair	16 AWG Strd. 4.1 Ω/Mft	.009	None	.017	.182	FPLR	34 pf/ft*
994S	1 Pair	14 AWG Strd. 2.6 Ω/Mft	.010	None	.017	.224	FPLR	33 pf/ft*
998S	1 Pair	12 AWG Strd. 1.8 Ω/Mft	.010	None	.017	.260	FPLR	40 pf/ft*

## Stranded Conductor Fire Alarm Cables

### Plenum Power-Limited / Unshielded



#### Stranded Conductors

### Applications:

- Indoor for:
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### 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

Standard spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
60991BS	1 Pair	16 AWG Stranded 4.1 Ω/Mft	.008	None	.015	.180	FPLP	34 pf/ft*
60993BS	1 Pair	14 AWG Stranded 2.6 Ω/Mft	.010	None	.015	.210	FPLP	33 pf/ft*
60995BS	1 Pair	12 AWG Stranded 1.8 Ω/Mft	.010	None	.015	.254	FPLP	40 pf/ft*

#### Insulation Color Code

##### Primary Color Code

1. Black
2. Red

\* Capacitance between conductors.

# FIRE ALARM CABLES

SHIELDED NON-PLENUM

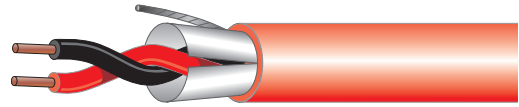
## Power-Limited Multiple Conductor/ Shielded

### Applications: Description:

Indoor for:

- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

- ASTM Bare Copper
- Thermoplastic Insulation
- Twisted Pair or Cabled Construction
- Overall Shield 100% Coverage of Aluminum Polyester Foil with 24 AWG Tinned Copper 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
975	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.017	.150	FPLR	66 pf/ft* 119 pf/ft**
977	4	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.017	.180	FPLR	66 pf/ft* 119 pf/ft**
991	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.017	.172	FPLR	77 pf/ft* 139 pf/ft**
993	4	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.017	.200	FPLR	77 pf/ft* 139 pf/ft**
995	1 Pair	14 AWG Solid 2.6 Ω/Mft	.012	Al. Foil 100%	.017	.215	FPLR	84 pf/ft* 151 pf/ft**
999	1 Pair	12 AWG Solid 1.8 Ω/Mft	.012	Al. Foil 100%	.017	.248	FPLR	96 pf/ft* 173 pf/ft**

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

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

### Notes:

- Selected Indoor/Outdoor **Aquaseal Water Resistant®** Versions, see Aquaseal Section
- Selected Halogen Free Versions, Page 128
- Select Items are Packaged in our Advantage Box
- Orange Rip Cord Under Jacket
- 500ft put up lengths may be available, minimum quantities may apply.



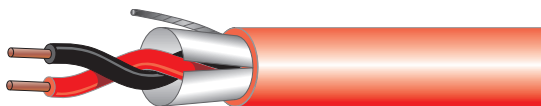
### Tracer Marks:

Available Upon Request: Minimum Quantities Apply

# FIRE ALARM CABLES

SHIELDED PLENUM

## Power-Limited / Shielded



### Applications:

- Indoor for: Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Bare Copper
- Polymer Alloy Insulation
- Twisted Pair or Cabled Construction
- Overall Shield 100% Coverage of Aluminum Polyester Foil with 24 AWG Tinned Copper 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
60975B	1 Pair	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.015	.148	FPLP	66 pf/ft* 119 pf/ft**
60977B	4	18 AWG Solid 6.5 Ω/Mft	.008	Al. Foil 100%	.015	.170	FPLP	66 pf/ft* 119 pf/ft**
60990B	1 Pair	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.168	FPLP	77 pf/ft* 139 pf/ft**
603164B	4	16 AWG Solid 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.195	FPLP	77 pf/ft* 139 pf/ft**
60992B	1 Pair	14 AWG Solid 2.6 Ω/Mft	.010	Al. Foil 100%	.015	.202	FPLP	84 pf/ft* 151 pf/ft**
60994B	1 Pair	12 AWG Solid 1.8 Ω/Mft	.010	Al. Foil 100%	.015	.243	FPLP	96 pf/ft* 173 pf/ft**

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

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

### Notes:

- Plenum Installation Precautions, see Technical Reference, Page 130
- 500ft put up lengths may be available, minimum quantities may apply.

# FIRE ALARM CABLES

SHIELDED STRANDED CONDUCTOR

## Power-Limited Multiple Conductor/ Shielded



### Applications:

- Indoor for:
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Stranded Bare Copper
- Thermoplastic Insulation
- Twisted Pair
- Overall Shield 100% Coverage of Aluminum Polyester Foil with 24 AWG Tinned Copper Drain Wire
- Flexible Plenum 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
995S	1 Pair	14 AWG Stranded 2.6 Ω/Mft	.012	Al. Foil 100%	.017	.232	FPLR	
999S	1 Pair	12 AWG Stranded 1.8 Ω/Mft	.012	Al. Foil 100%	.017	.264	FPLR	

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red

### Notes:

- Select Items are Packaged in our Advantage Box
- Orange Rip Cord Under Jacket
- 500ft put up lengths may be available, minimum quantities may apply.

## Plenum Power-Limited / Shielded



### Applications:

- Indoor for: Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Stranded Bare Copper
- Polymer Alloy Insulation
- Twisted Pair
- Overall Shield 100% Coverage of Aluminum Polyester Foil with 24 AWG Tinned Copper 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
60990BS	1 Pair	16 AWG Stranded 4.1 Ω/Mft	.008	Al. Foil 100%	.015	.174	FPLP	77 pf/ft* 139 pf/ft**
60992BS	1 Pair	14 AWG Stranded 2.6 Ω/Mft	.010	Al. Foil 100%	.015	.210	FPLP	84 pf/ft* 152 pf/ft**
60994BS	1 Pair	12 AWG Stranded 1.8 Ω/Mft	.010	Al. Foil 100%	.015	.249	FPLP	96 pf/ft* 173 pf/ft**

### Notes:

- Plenum Installation Precautions, see Technical Reference.
- 500ft put up lengths may be available, minimum quantities may apply.

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

# FIRE ALARM CABLES

DATA GRADE NON-PLENUM

## Addressable Systems / Data Cable



### Applications:

- Indoor for:
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Addressable Fire Systems
- Digital Audio Loops
- Division 28 05 13.23

### 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

Standard spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
D980	1 Pair	18 AWG Solid 6.5 Ω/Mft	.015	None	.030	.196	FPLR	16 pf/ft* 105Ω
D990	1 Pair	16 AWG Solid 4.1 Ω/Mft	.015	None	.030	.223	FPLR	17 pf/ft* 105Ω

## 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
D975	1 Pair	18 AWG Solid 6.5 Ω/Mft	.015	Al. Foil 100%	.035	.223	FPLR	25 pf/ft* 45 pf/ft**
D991	1 Pair	16 AWG Solid 4.1 Ω/Mft	.015	Al. Foil 100%	.035	.245	FPLR	30 pf/ft* 54 pf/ft**
D995	1 Pair	14 AWG Solid 2.6 Ω/Mft	.020	Al. Foil 100%	.035	.281	FPLR	30 pf/ft* 54 pf/ft**

Insulation Color Code
Primary Color Code
1. Black
2. Red

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



# FIRE ALARM CABLES

DATA GRADE PLENUM

## Power-Limited / Unshielded



### Applications:

- Indoor for: Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Addressable Fire Systems
- Digital Audio Loops
- Division 28 05 13.23

### Description:

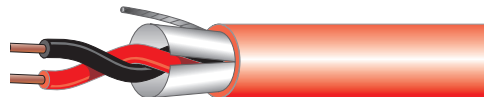
- ASTM bare copper
- Teflon Insulation
- Twisted Pair Construction
- Flexible Plenum Jacket

### Rating:

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

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
D60980	1 Pair	18 AWG Solid 6.5 Ω/Mft	.012	None	.015	.160	FPLP	16 pf/ft 105 Ohms
D60991	1 Pair	16 AWG Solid 4.1 Ω/Mft	.012	None	.015	.181	FPLP	17 pf/ft

## Fire Alarm Cables Power-Limited / Shielded



### Plenecon II® Data Cable

### 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 Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
D60975	1 Pair	18 AWG Solid 6.5 Ω/Mft	.012	Al. Foil 100%	.015	.165	FPLP	25 pf/ft* 45 pf/ft**
D60990	1 Pair	16 AWG Solid 4.1 Ω/Mft	.012	Al. Foil 100%	.015	.188	FPLP	30 pf/ft* 54 pf/ft**

### Insulation Color Code

#### Primary Color Code

1. Black
2. Red

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

### Notes:

- Plenum Installation Precautions, see Technical Reference, Page 130.
- 500ft put up lengths may be available, minimum quantities may apply

# FIRE ALARM CABLES

LOCAL LAW 5 FIRE ALARM



## Local Law 5 (LL5) Power-Limited / Unshielded



### Applications:

- Indoor for: Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### 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

Standard spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
LL5182	1 Pair	18 AWG Solid 6.5 Ω/Mft	.016	None	.026	.205	FPLP	29 pf/ft*
LL5184	4	18 AWG Solid 6.5 Ω/Mft	.016	None	.026	.238	FPLP	29 pf/ft*
LL5162	1 Pair	16 AWG Solid 4.1 Ω/Mft	.016	None	.026	.225	FPLP	32 pf/ft*
LL5164	4	16 AWG Solid 4.1 Ω/Mft	.016	None	.026	.265	FPLP	32 pf/ft*
LL5142	1 Pair	14 AWG Solid 2.6 Ω/Mft	.016	None	.026	.248	FPLP	35 pf/ft*
LL5144	4	14 AWG Solid 2.6 Ω/Mft	.016	None	.026	.302	FPLP	35 pf/ft*
LL5122	1 Pair	12 AWG Solid 1.8 Ω/Mft	.016	None	.026	.278	FPLP	45 pf/ft*

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

\* Capacitance between conductors.

### Notes:

- LL5 Cables are packaged on wooden reels.
- 500ft put up lengths may be available, minimum quantities may apply.

# FIRE ALARM CABLES

LOCAL LAW 5 FIRE ALARM PLENUM

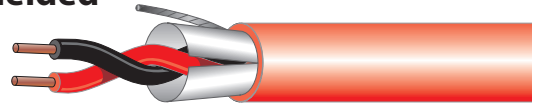
## Local Law 5 (LL5) Power Limited / Shielded

### Applications:

- Indoor for:
- Plenum Spaces
- Fire Alarm Circuits
- Initiating Devices
- Notification Devices
- Division 28 05 13.23

### Description:

- ASTM Bare Copper
- Fluoropolymer
- Twisted Pair or Cabled Construction
- Overall Shield 100% Coverage of Aluminum Polyester Foil with Tinned Copper 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 spool size, 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Thickness Inches	Shielding	Jacket Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance
LL5182SH	1 Pair	18 AWG Solid 6.5 Ω/Mft	.016	Al. Foil 100%	.026	.210	FPLP	54 pf/ft* 97 pf/ft**
LL5184SH	4	18 AWG Solid 6.5 Ω/Mft	.016	Al. Foil 100%	.026	.245	FPLP	54 pf/ft* 97 pf/ft**
LL5162SH	1 Pair	16 AWG Solid 4.1 Ω/Mft	.016	Al. Foil 100%	.026	.230	FPLP	61 pf/ft* 110 pf/ft**
LL5164SH	4	16 AWG Solid 4.1 Ω/Mft	.016	Al. Foil 100%	.026	.272	FPLP	61 pf/ft* 110 pf/ft**
LL5142SH	1 Pair	14 AWG Solid 2.6 Ω/Mft	.016	Al. Foil 100%	.026	.258	FPLP	84 pf/ft* 151 pf/ft**
LL5122SH	1 Pair	12 AWG Solid 1.8 Ω/Mft	.016	Al. Foil 100%	.026	.285	FPLP	96 pf/ft* 173 pf/ft**

Insulation Color Code	
Primary Color Code	
1.	Black
2.	Red
3.	Brown
4.	Blue

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

### Notes:

- LL5 Cables are packaged on wooden reels.
- 500ft put up lengths may be available, minimum quantities may apply.