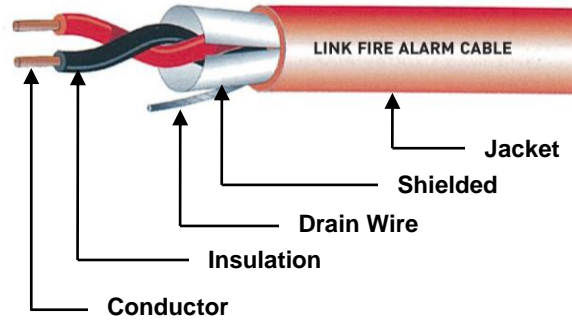


# SHIELDED FIRE ALARM CABLE

## Power Limited Fire Alarm Cable



### Features And Benefits

LINK shielded fire alarm cable power limited fire alarm describes one pair (2 Cores). The maximum operating voltage is 300VAC/VDC, the flame retardant is in accordance with UL1685, UL1666.

### Standard Compliances

- ANSI/UL 1424, Cables for Power-Limited Fire-Alarm Circuits
- UL1685 Type FPL, UL1666 Type FPLR
- UL Listed File NO.E476400
- RoHS Compliant

### Applications Support

- Fire Alarm System
- Smoke Detector
- Critical Central Fire Systems
- Control Circuits
- Security system

### Electrical Characteristics

Part Number	UL/NEC Flame Rating	DCR Conductor (Ω/km)	DCR Shielded (Ω/km)	Capacitance Cond to Cond (pF/m)	Capacitance Cond to Rest (pF/m)	Maximum Current @25°C (Amps)	Voltage VAC/VDC
CB-0218	FPL	≤ 22.5	52.7	160	297	5.3	300
CB-0216	FPL	≤ 14.0	52.7	189	350	11	300
CB-0214	FPL	≤ 8.7	52.7	160	340	18	300
CB-0212	FPL	≤ 5.5	52.7	216	424	21	300
CB-0218R	FPLR	≤ 22.5	52.7	160	297	5.3	300
CB-0216R	FPLR	≤ 14.0	52.7	189	350	11	300
CB-0214R	FPLR	≤ 8.7	52.7	160	340	18	300
CB-0212R	FPLR	≤ 5.5	52.7	216	424	21	300

# SHIELDED FIRE ALARM CABLE

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### Cable Construction

- **Conductor** Solid Bare Copper
- **Insulation** FR PVC, Black and Red Color
- **Drain Wire** 22 AWG(7\*0.25 mm), Stranded Tinned Copper
- **Shielded** AL Foil, Thickness 0.038mm, 115%
- **Jacket** Lead free, FR PVC, Red Color

Part Number	Number Of Pair	Conductor Diameter		Insulation		Drain Wire (AWG)	Jacket	
		AWG	mm.	Thickness (mm)	Diameter (mm)		Thickness (mm)	Diameter (mm)
CB-0218	1	18	1.02±0.02	0.4	1.90±0.15	22	0.9	5.9±0.3
CB-0216	1	16	1.29±0.02	0.4	2.10±0.15	22	0.9	6.1±0.3
CB-0214	1	14	1.63±0.04	0.6	2.83±0.15	22	1.0	7.8±0.3
CB-0212	1	12	2.05±0.04	0.6	3.20±0.15	22	1.1	8.7±0.3
CB-0218R	1	18	1.02±0.02	0.4	1.90±0.15	22	0.9	5.9±0.3
CB-0216R	1	16	1.29±0.02	0.4	2.10±0.15	22	0.9	6.1±0.3
CB-0214R	1	14	1.63±0.04	0.6	2.83±0.15	22	1.0	7.8±0.3
CB-0212R	1	12	2.05±0.04	0.6	3.20±0.15	22	1.1	8.7±0.3

### Physical Property

- **Conductor Elongation** ≥10 %
- **Insulation Tensile Strength** ≥13.8 N/mm<sup>2</sup>
- **Insulation Elongation** ≥100 %
- **Sheath Tensile Strength** ≥13.8 N/mm<sup>2</sup>
- **Sheath Elongation** ≥100 %
- **Sheath Tensile Strength After Aged** ≥50 % unaged N/mm<sup>2</sup>
- **Sheath Elongation After Aged** ≥75 % unaged
- **Temperature Range** -20°C to 105°C

### Order Information

Part Number	Description	Color	Length	Package
CB-0218	FIRE ALARM, SHIELDED 2 x 18 AWG, 1 PAIR, FPL	Red	500m	Roll
CB-0216	FIRE ALARM, SHIELDED 2 x 16 AWG, 1 PAIR, FPL	Red	500m	Roll
CB-0214	FIRE ALARM, SHIELDED 2 x 14 AWG, 1 PAIR, FPL	Red	500m	Roll
CB-0212	FIRE ALARM, SHIELDED 2 x 12 AWG, 1 PAIR, FPL	Red	500m	Roll
CB-0218R	FIRE ALARM, SHIELDED 2 x 18 AWG, 1 PAIR, FPLR	Red	500m	Roll
CB-0216R	FIRE ALARM, SHIELDED 2 x 16 AWG, 1 PAIR, FPLR	Red	500m	Roll
CB-0214R	FIRE ALARM, SHIELDED 2 x 14 AWG, 1 PAIR, FPLR	Red	500m	Roll
CB-0212R	FIRE ALARM, SHIELDED 2 x 12 AWG, 1 PAIR, FPLR	Red	500m	Roll



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