

System



- CB-0118
- CB-0116
- CB-0114
- CB-0112
- CB-0118R
- CB-0116R
- CB-0114R
- CB-0112R

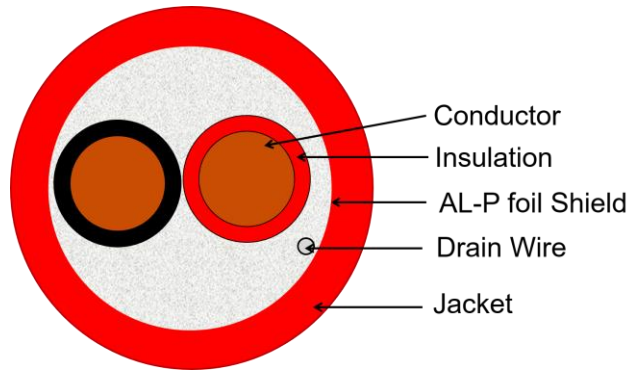


# FIRE ALARM, TWISTED PAIR, UNSHIELD, PVC with Ripcord

## Scope of Applications

LINK unshielded 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.

## Drawing



## Technical Standards

- 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





## Cable Construction

<b>Conductor</b>	<b>Material</b>	Solid Bare Copper
<b>Insulation</b>	<b>Material</b>	FR-PVC
	<b>Color</b>	Black and Red
<b>Jacket</b>	<b>Material</b>	Lead free, FR PVC
	<b>Color</b>	Red

## TECHINCAL SPECIFICATION

Part Number	No. of Pair	Conductor Diameter		Insulation		Jacket	
		AWG	mm.	Thickness (mm)	Diameter (mm)	Thickness (mm)	Diameter (mm)
CB-0118	1	18	1.02 ±0.02	0.4	1.90 ±0.15	0.9	5.8 ±0.3
CB-0116	1	16	1.29 ±0.02	0.4	2.10 ±0.15	0.9	6.0 ±0.3
CB-0114	1	14	1.63 ±0.04	0.6	2.83 ±0.15	1.0	7.7 ±0.3
CB-0112	1	12	2.05 ±0.04	0.6	3.20 ±0.15	1.1	8.6 ±0.3
CB-0118R	1	18	1.02 ±0.02	0.4	1.90 ±0.15	0.9	5.8 ±0.3
CB-0116R	1	16	1.29 ±0.02	0.4	2.10 ±0.15	0.9	6.0 ±0.3
CB-0114R	1	14	1.63 ±0.04	0.6	2.83 ±0.15	1.0	7.7 ±0.3
CB-0112R	1	12	2.05 ±0.04	0.6	3.20 ±0.15	1.1	8.6 ±0.3

## ELECTRICAL CHARACTERISTIC

Part Number	UL/NEC Flame Rating	DCR Conductor (Ω/km)	Capacitance Cond to Cond (pF/m)	Maximum Current @25°C (Amps)	Voltage VAC/VDC
CB-0118	FPL	≤ 22.5	60	5.3	300
CB-0116	FPL	≤ 14.0	71	11	300
CB-0114	FPL	≤ 8.7	69	18	300
CB-0112	FPL	≤ 5.5	65	21	300
CB-0118R	FPLR	≤ 22.5	60	5.3	300
CB-0116R	FPLR	≤ 14.0	71	11	300
CB-0114R	FPLR	≤ 8.7	69	18	300
CB-0112R	FPLR	≤ 5.5	65	21	300

## Physical Property

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



## Order Information

Part number	Description	Color	Length	Package
CB-0118	FIRE ALARM, UNSHIELDED 2 x 18 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0116	FIRE ALARM, UNSHIELDED 2 x 16 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0114	FIRE ALARM, UNSHIELDED 2 x 14 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0112	FIRE ALARM, UNSHIELDED 2 x 12 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0118R	FIRE ALARM, UNSHIELDED 2 x 18 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0116R	FIRE ALARM, UNSHIELDED 2 x 16 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0114R	FIRE ALARM, UNSHIELDED 2 x 14 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0112R	FIRE ALARM, UNSHIELDED 2 x 12 AWG, 1 PAIR, FPLR	Red	500 m	Roll.

Specifications subject to change without notice.

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