



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

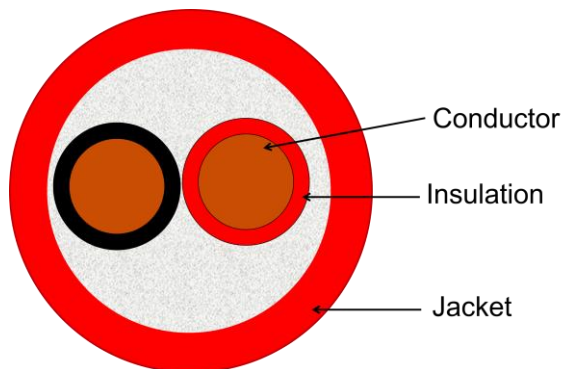


FIRE ALARM, TWISTED PAIR, UNSHIELDED, PVC

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

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

Technical 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

Conductor Elongation	≥10 %
Insulation Tensile Strength	≥13.8 N/mm ² (13.8Mpa)
Insulation Elongation	≥100 %
Sheath Tensile Strength	≥13.8 N/mm ² (13.8Mpa)
Sheath Elongation	≥100 %
Sheath Tensile Strength After Aged	≥50 % unaged N/mm ²
Sheath Elongation After Aged	≥75 % unaged
Temperature Range	-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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