



CB-0218
CB-0216
CB-0214
CB-0212
CB-0218R
CB-0216R
CB-0214R
CB-0212R

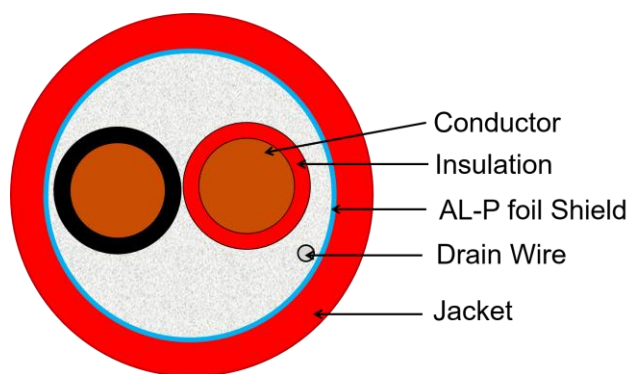


FIRE ALARM, TWISTED PAIR, FOIL SHIELDED, PVC

Scope of Applications

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.

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
Drain Wire		Stranded Tinned Copper, 22 AWG
Shielded		AL Foil, Thickness 0.038mm, 115%
Jacket	Material	Lead free, FR PVC
	Color	Red

Technical Specification

Part Number	No. 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

Electrical Characteristic

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

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
Sheath Elongation	≥100 %
Sheath Tensile Strength After Aged	≥50 % unaged N/mm ² (13.8Mpa)
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	500 m	Roll.
CB-0216	FIRE ALARM, SHIELDED 2 x 16 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0214	FIRE ALARM, SHIELDED 2 x 14 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0212	FIRE ALARM, SHIELDED 2 x 12 AWG, 1 PAIR, FPL	Red	500 m	Roll.
CB-0218R	FIRE ALARM, SHIELDED 2 x 18 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0216R	FIRE ALARM, SHIELDED 2 x 16 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0214R	FIRE ALARM, SHIELDED 2 x 14 AWG, 1 PAIR, FPLR	Red	500 m	Roll.
CB-0212R	FIRE ALARM, SHIELDED 2 x 12 AWG, 1 PAIR, FPLR	Red	500 m	Roll.

Specifications subject to change without notice.

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