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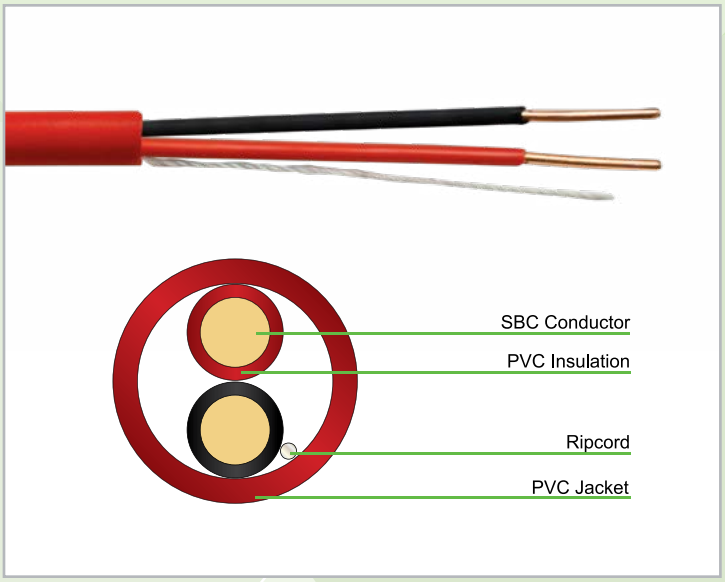
VGC™ 2 Conductor Solid FPLP Unshielded Fire Alarm Cable



Features & Benefits

- FPLP rated jacket for commercial installations in plenum air handling spaces
- UL Listed and RoHS compliant to ensure safety requirements are met
- Offered in 18 AWG, 16 AWG or 14 AWG solid copper conductor to suit your specific application
- Offered in 1,000 ft increments, packaging varies based on item

Applications

Vericom FPLP unshielded fire alarm cable is designed to support fire and signal protection devices, as well as security systems with integrated fire alarm circuits. It is intended for use in Power-Limited Systems within multi-story commercial buildings or residential installations that require plenum-rated fire protection in air-handling spaces.

Description / Specifications

This 2-conductor fire alarm cable is available in 18 AWG, 16 AWG, and 14 AWG, and features two color-coded wires (Black and Red) enclosed in an FPLP-rated red jacket. The cable is approved for up to 300 volts and operates within a temperature range of -4°F to 167°F.

Vericom fire alarm cables are FPLP rated and meet UL 1424 requirements, making them suitable for commercial installations in plenum air-handling spaces, including overhead areas. For additional information on NEC plenum guidelines, refer to Section 760-154(A) of the National Electrical Code (ANSI/NFPA 70).

Standards Compliance

- UL 1424, Power Limited Fire Alarm Circuit Cable (FPLP Listed)
- UL 13, Power Limited Circuit Cable
- UL Listed Type FPLP/CL3P/CMP
- NEC Article 725, 760 and 800
- RoHS Compliant

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Ordering Information

Description	Conductor	Packaging	Cable Weight	Item No.
2 Conductor Solid FPLP Unshielded Fire Alarm Cable	14 AWG SBC	1,000 ft Spool	36.2 lb / 1000 ft	SF142-01958
	16 AWG SBC	1,000 ft Spool	23.6 lb / 1000 ft	SF162-01952
	18 AWG SBC	1,000 ft Spool	16.3 lb / 1000 ft	SF182-01946

Cable Marking

VERICOM UNSHIELDED FIRE ALARM (UL) E364603-T XX AWG 2 COND SOLID 75ºC TYPE FPLP OR CL3P --- CMP ROHS 0000FT USED / 1000FT REMAINING

Construction

Conductor Material: Solid Copper
No. of Conductors: 2
AWG: Varies by Item Number
Insulation Material: Polyvinyl Chloride Riser (PVC)
Insulation Thickness: 0.01 in. (0.254 mm)
Insulation Color Code: Black, Red
Ripcord: Yes
Jacket Material: Polyvinyl Chloride (PVC)
Jacket Thickness: 0.0149 in. (0.38 mm)
Jacket Color: Red

Electrical

Nominal Mutual Capacitance *(14 AWG)*: 22.9 pF/m
Nominal Mutual Capacitance *(16 AWG)*: 42.42 pF/m
Nominal Mutual Capacitance *(18 AWG)*: 40.43 pF/m
Voltage Rating: 300V
Conductor DC Resistance *(14 AWG)*: 2.60Ω / 1000 ft
Conductor DC Resistance *(16 AWG)*: 4.20Ω / 1000 ft
Conductor DC Resistance *(18 AWG)*: 6.53Ω / 1000 ft

Environmental Conditions

Operating Temperature: 14 °F to 167°F (-10 °C to 75 °C)

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