

UL#1424 Fire Alarm Cable
16AWG / 2 Cores (2x1.5mm²)
 www.exactcables.com



Part No.:303103-100

Cross Section		Color	
		Insulation colors: Red and Black(or Per customer request) Jacket colors: Red(or Per customer request)	
		Performance Electrical Characteristics: Operating Voltage: 300V DC Resistance: 13.5 Ohms/Km @ +20 °C Insulation Resistance: 200MΩ·km Mechanical properties Insulation tensile strength before aging(MPa) ≥12.5 Insulation elongation before aging ≥200% Insulation Aging conditions 135 ⁰ C 168H Change rate of tensile strength after insulatic ±25% Elongation change rate after insulation aging ±25% Jacket tensile strength before aging(MPa) ≥12.5 Jacket elongation before aging ≥250% Jacket Aging conditions 135 ⁰ C 168H Change rate of tensile strength after jacket a ±25% Elongation change rate after jacket aging ±25%	
Description		Marking	
Rated Temperature (°C) 65 Product Standard Certification UL file E528881 Application Fire Protective Signaling Circuits, Smoke detectors, Strobes/Sirens, Pull stations,Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor/Addressable Controlled Systems Reference Standard UL Subject 44,FPLR & UL 1424&UL 13&EN50575		NINGBO EXACT - POWER-LIMITED FIRE ALARM CABLE 2X16AWG SOLID SHIELDED E528881 (UL) FPLR 202409/ 001M...002M...305M	
Construction			
Conductor Solid Bare Copper AWG 16 Conductor Dia Nom. 1.28±0.02mm			
Insulation PVC Average Thickness(±0.05mm) 0.26 Min. Point Thickness(mm) 0.22			
Insulation ID(±0.2mm) 1.80			
PET Coverage> 125%			
Aluminum foil thickness thickness 0.025mm			
Aluminum foil Coverage> 125%			
Drain Wire BC 0.5mm			
Cabling Lay Length(±10mm) 80----120mm			
Jacket PVC			
Average Thickness(±0.05mm) 0.55			
Min. Point Thickness(mm) 0.47			
Outer Dia.(±0.2mm) 4.9±0.2mm			
Weight(kg/km) 45.57±6%			