



Fire Alarm Cable

ACEE-2X16FPLR

Fire Protective Signaling Circuits, Smokedetectors, Strobes / Sirens, Pull stations, Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor / Addressable Controlled Systems.
UL Subject 44, FPLR & UL 1424 & UL 13 & EN 50575.
POWER- LIMITED FIRE ALARM CABLE 2X16 AWG SOLID UNSHIELD TYPE FPLR (UL) LISTED E528881 2024 / 1 - 300m.

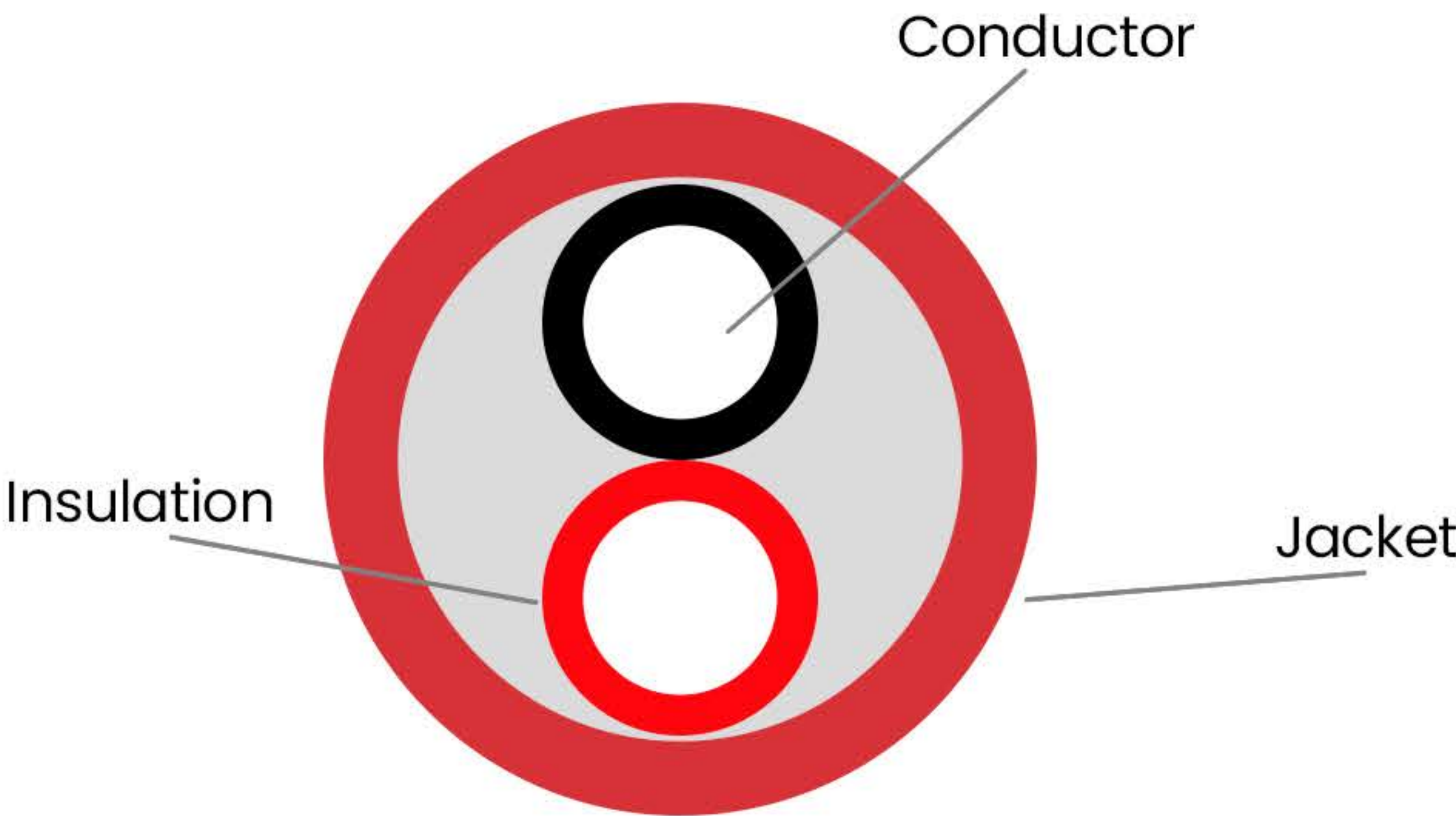
Construction

Conductor	Solid Bare Copper
AWG	16
Conductor Dia Nom.	1.28±0.02mm
Insulation	FPLR PVC
Average Thickness(±0.05mm)	0.25
Min. Point Thickness(mm)	0.25
Insulation ID(±0.2mm)	1.78
Cabling Lay Length(±10mm)	80 - 120mm
Jacket	FRLR PVC
Average Thickness(±0.05mm)	0.7
Min. Point Thickness(mm)	0.5
Outer Dia.(±0.2mm)	4.5±0.2mm

Color

- Insulation colors:
Black /Red
- Jacket colors:
Red

Cross Section



Performance

Electrical Characteristics:	
Operating Voltage:	300V
DC Resistance:	13.7 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°C 168H
Change rate of tensile strength after insulation aging	±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°C 168H
Change rate of tensile strength after jacket aging	±25%
Elongation change rate after jacket aging	±25%
Rated Temperature (°C)	60 to 105
Product Standard Certification	UL file E528881



RoHS Directive
2011/65/EU &
(EU)2015/863 AnnexII



Standard: UL 1424
NEC Article 760