



APPLICATION

Fire Protective Signaling Circuits, Smoke detectors, Strobes/ Sirens, pull stations Voice communications, Burglar alarms, Audio, control, initiating & notification circuits, Microprocessor/ Addressable Controlled Systems. Screened two core cable suitable for Fire Detection and Alarm Systems. UL Listed E548645.

DESIGN

Conductor: 2 x Bare Copper wire

Insulation: Polyvinyl Chloride Core 1: Brown, Core 2: Blue

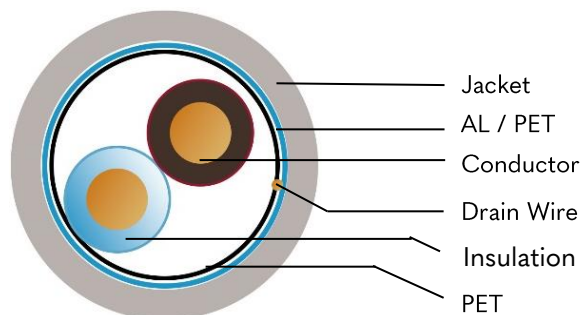
Screen: Aluminium/Polyester 100% Coverage

Drain Wire: 20 AWG Tinned Copper wire

Sheath Material: Flame-Retardant Polyvinyl Chloride
 Colour: Red

Standard Put Up Length: 100 / 305 / 500 metres

Cross section



PHYSICAL CHARACTERISTICS

Part Number	VFA210L	VFA215L	VFA225L
No of Cores	2	2	2
Cable Size	1.00mm ²	1.5mm ²	2.5mm ²
Nom. Diameter Conductor (mm)	1.02	1.29	1.63
Nom. Radial Thickness Insulation (mm)	0.25	0.25	0.25
Nom. Diameter Drain Wire (mm)	0.50		
Nom. Diameter Insulation (mm)	1.55	1.80	2.13
Nom. Radial Thickness Sheath (mm)	0.80		
Nom. Overall Diameter (mm)	4.0	4.5	5.2
Operating Temperature (°C)	-40 to +60		
Max. Recommended Pulling Tension (N)	215	345	552
Min. Bend Radius (install) (mm)	40	45	52
Nominal Cable Weight (kg/km)	29.1	39.5	55.5
Fire Retardancy	FPL	FPL	FPL

ELECTRICAL CHARACTERISTICS at 20°C

Part Number	VFA210L	VFA215L	VFA225L
No of Cores	2	2	2
Cable Size	1.00mm ²	1.5mm ²	2.5mm ²
Max. DC Resistance Conductor (Ω/km)	22.7	15.47	9.36
Max. DC Resistance Screen (Ω/km)	52.7		
Capacitance conductor to conductor (pF/m)	195	220	250
Capacitance cond. To other cond.+screen (pF/m)	400	430	480
Nominal Inductance (μH/m)	0.3	0.5	0.6
Max. Recommended Current at 25°C(Amps)	5.3	11	18
Max. Operating Voltage (Vrms)	300		

REFERENCE STANDARDS

UL1424

RoHS directives

CERTIFICATES MANAGEMENT SYSTEM

ISO 9001:2015

ORDERING INFORMATION

Part.No	Description
VFA210L-100	2 Core 1.0MM ² Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA210L-305	2 Core 1.0MM ² Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA210L-500	2 Core 1.0MM ² Bare Copper Fire Alarm Cable FPL – 500 M/R
VFA215L-100	2 Core 1.5MM ² Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA215L-305	2 Core 1.5MM ² Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA215L-500	2 Core 1.5MM ² Bare Copper Fire Alarm Cable FPL – 500 M/R
VFA225L-100	2 Core 2.5MM ² Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA225L-305	2 Core 2.5MM ² Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA225L-500	2 Core 2.5MM ² Bare Copper Fire Alarm Cable FPL – 500 M/R