

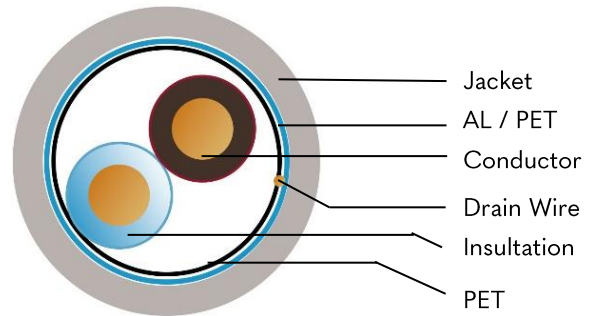
## APPLICATION

Fire Protective Signaling Circuits, Smoke detectors, Strobes/ Sirens, ull 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	1.5mm	2.5mm
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	1.5mm	2.5mm
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7	15.47	9.36
Max. DC Resistance Screen ( $\Omega$ /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 ( $\mu$ H/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 Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA210L-305	2 Core 1.0MM Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA210L-500	2 Core 1.0MM Bare Copper Fire Alarm Cable FPL – 500 M/R
VFA215L-100	2 Core 1.5MM Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA215L-305	2 Core 1.5MM Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA215L-500	2 Core 1.5MM Bare Copper Fire Alarm Cable FPL – 500 M/R
VFA225L-100	2 Core 2.5MM Bare Copper Fire Alarm Cable FPL – 100 M/R
VFA225L-305	2 Core 2.5MM Bare Copper Fire Alarm Cable FPL – 305 M/R
VFA225L-500	2 Core 2.5MM Bare Copper Fire Alarm Cable FPL – 500 M/R