

## SmartAlert Alarm Cable

### 0.22mm<sup>2</sup> Multicore, AL Foil, LSZH Sheath



### Applications

Designed for inter-connecting sensors and control panels, alarm cables are widely used within the security industry. This cable provides a reliable and economical solution for standard security and fire alarm installations in low-interference environments.

### Construction

Conductor Material	Stranded tinned copper			
Insulation Material	Low smoke zero halogen (LSZH)			
Core Identification	1	Red	7	Orange
	2	Blue	8	Brown
	3	Yellow	9	Grey
	4	Black	10	Pink
	5	White	11	Violet
	6	Green	12	Turquoise
Screen	AL-PET Tape			
Drain Wire	Stranded tinned copper			
Sheath Material	Low smoke zero halogen (LSZH)			
Sheath Color	White			

### Dimensions

Conductor Diameter	0.22mm <sup>2</sup> (7/0.2)
Insulation Diameter	1.05 mm Nom.
Overall Diameter	4.00 mm Nom. (4 Cores)
	4.70 mm Nom. (6 Cores)
	4.90 mm Nom. (8 Cores)
	6.10 mm Nom. (12 Cores)

### Physical Characteristics

Bend Radius	Flexing 20 x OD Static 15 x OD
Temperature Rating	Flexing -10°C to +40°C Static -30°C to +70°C

### Electrical Characteristics

Conductor DCR	100 Ω/KM Max. @20°C
Insulation Resistance	> 1 MΩ.KM
Voltage Rating	30V
Test Voltage	2 kV for 5 Minutes

### Standards

RoHS Compliant	Yes
Reach Compliant	Yes
CE Compliant	Yes
Design Reference	BS 4737 Type1
UV Resistance	ISO 4892-2, method A
Flame Retardant	IEC 60332-1-2 UL 1581 VW-1
Halogen & Corrosive Gas	IEC 60754-1/2
Smoke density	IEC 61034-2
CPR Classification	Eca EN 50575:2014+A1:2016