KORTEX™ CABLES

These Security Alarm cables
are suitable for use in wide spectrum of intruder detection, access control or fire applications. All are certified & tested to EN50575:2014, BS4737-3.30:2015 and conform to the latest CPR regulations.

Available in a range of sizes and specifications to match installation requirements they offer premium performance, robustness and ease of use.
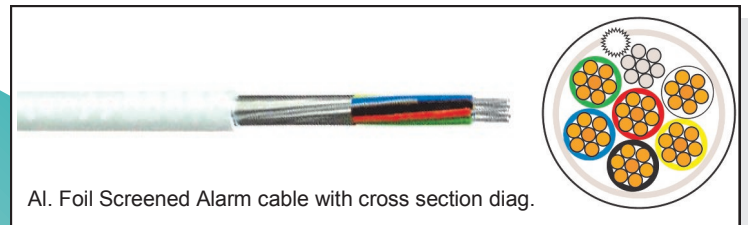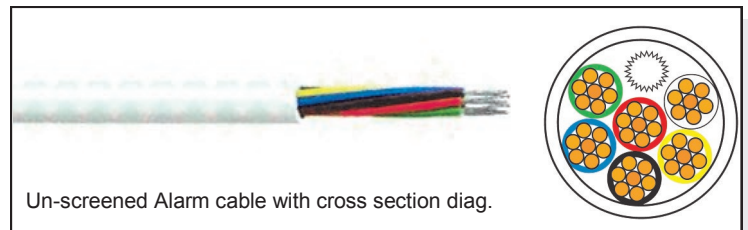
Application:

Flexible cable used for the wiring of security systems, access control, burglar alarms and other low voltage applications.

Un-screened Alarm cable with cross section diag.

Construction overview:

4,6,8 or 12 core construction with each conductor made up of 7 strands of 0.20 mm Tinned Copper or Copper Clad aluminium (CCA) with PVC insulation & PVC outer Jacket (optional LSZH) in White or Dark Brown. Excellent flexibility yet robust with a strong nylon stripping cord.

Available as unscreened, Aluminium foil screened, Low smoke & Fume (LSF) or Low Smoke Zero Halogen(LSZH) depending upon installation requirements.

Constructed in accordance with the requirements of BS4737-3.30:2015 at Grading 'Type 1, 2 or 3'.

Al. Foil Screened Alarm cable with cross section diag.

BS4737-3.30:2015 Type 1

Conductor: 7 x 0.20mm Tinned Copper
Insulation: Low Smoke Zero Halogen (LSZH)
Sheath: Low Smoke Zero Halogen (LSZH)
Sheath Colour: White (optional Dark Brown)
Resistance: <95 Ohms / Km
Voltage Rating: 50V
Current rating: 1Amp
Temperature Rating: -10ºC to +70ºC

BS4737-3.30:2015 Type 2

Conductor: 7 x 0.20mm Tinned Copper
Insulation: Polyvinyl Chloride (PVC)
Sheath: Polyvinyl Chloride (PVC)
Sheath Colour: White or Dark Brown
Resistance: <95 Ohms / Km
Voltage Rating: 50V
Current Rating: 1 Amp
Temperature Rating: -10ºC to +70ºC

BS4737-3.30:2015 Type 3

Conductor: 7 x 0.20mm Tinned Copper Coated Aluminium (TCCA) (35% copper)
Insulation: Polyvinyl Chloride (PVC)
Sheath: Polyvinyl Chloride (PVC)
Sheath Colour: White or Dark Brown
Resistance: <135 Ohms / Km
Voltage Rating: 50V
Current Rating: 1Amp
Temperature Rating: -10ºC to +70ºC

Screened Cable:

Has the same cores as the unshielded cable but is Sheathed with an aluminium Foil screen (pet foil) and has an earth drain wire, to reduce potential RF interference which may cause false alarms.

Conductor Identification:
4 Cores: Red, Blue, Yellow, Black,
6 Cores: Red, Blue, Yellow, Black, Green, White
8 Cores: Green, Yellow, White, Black, Blue, Red, Orange, Brown

Reel: Robust Cardboard construction with metal inner. - 100m length

Part References:

Unscreened: **4CORE, 6CORE, 8CORE, 12CORE**
Screened: **4CORE-S, 6CORE-S, 8CORE-S**

Security Alarm Cable

INTRUDER ALARM CABLE SPECIFICATIONS

Specification	BS 4737-3.30:2015		
	TYPE 3	*TYPE 2*	*TYPE 1*
Core material:	TCCA (35% Copper)	Tinned annealed Copper	Tinned annealed Copper
Strands:	7 x 0.20 mm	7 x 0.20 mm	7 x 0.20 mm
Gauge	24AWG	24AWG	24AWG
Insulation	PVC	PVC	LSZH
Outer sheath	Polyvinyl Chloride (PVC)	Polyvinyl Chloride (PVC)	Low Smoke Zero Halogen
Sheath colour	White (optional brown)	White (Optional Brown)	White (Optional Brown)
Stripping	Nylon stripping cord	Nylon stripping cord	Nylon stripping cord
Max voltage	50V RMS	50V RMS	50V RMS
Current rating	1 Amp	1 Amp	1 Amp
Resistance	< 135 Ohms / Km	< 95 Ohms / Km	< 95 Ohms / Km
Operating Temp.	-10ºC to +70ºC	-10ºC to +70ºC	-10ºC to +70ºC
BS Standards	BS4737-3.30-2015	BS4737-3.30-2015	BS4737-3.30-2015
@ Type	3	2	1
RoHS	Yes	Yes	Yes
CPR Compliant	Yes	Yes	Yes
Options:			
Core conductors	**4,6,8,12 Core**	**4,6,8,12 Core**	**4,6,8,12 Core**
Screening	Unshielded / Al. Foil shield	Unshielded / Al. Foil shield	Unshielded / Al. Foil shield
Low Smoke & Fume	——-	LSF Jacket (optional)	——
Low Smoke Zero Halogen	——-	——-	LSZH