

Intruder Alarm Cables acc. to BS 4737-3.30 2015

Alarm cables for intruder alarm intercom and detector connection. Available in shielded or unshielded LSZH, Duct grade PE or LSZH DataGuard® versions suitable for direct burial installations or internally where there is risk of damage or security breach.

All of the cables contained in this product release are compliant with the new BS 4737-3.30 2015 specification laid out by the British Standards Institute (BSi) , this replaces the 1986 version.

This new standard identifies all specification deviations such as the use of reduced copper conductor or copper alloys such as copper clad aluminium through the measurement of conductor resistance as well as highlighting where unsuitable compounds are used on Fire Performance versions. You can see this detailed below in an excerpt from the new BS.

Type 1 - Cable with resistance of less than 100 Ohms/km and low smoke zero halogen insulating and sheathing.

Type 2 - Cable with resistance of less than 100 Ohms/km and PVC insulating and sheathing.

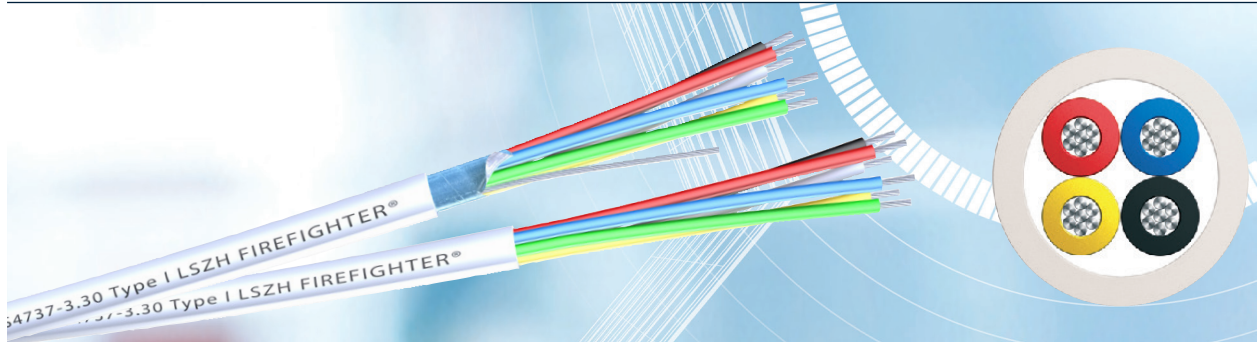
Type 3 – Cable with resistance of less than 155 Ohms/km and PVC insulation and sheathing

All cables must be clearly labelled to show whether they are Type 1, 2 or 3 and must show the resistance value of the cable.



Alarm Cable LSZH FireFighter®

acc. to BS4737-3.30 Type 1



Description

Alarm cables for intruder alarm, intercom and detector connection. LSZH FireFighter® as standard. Manufactured according to BS 4737-3.30.

Technical Description

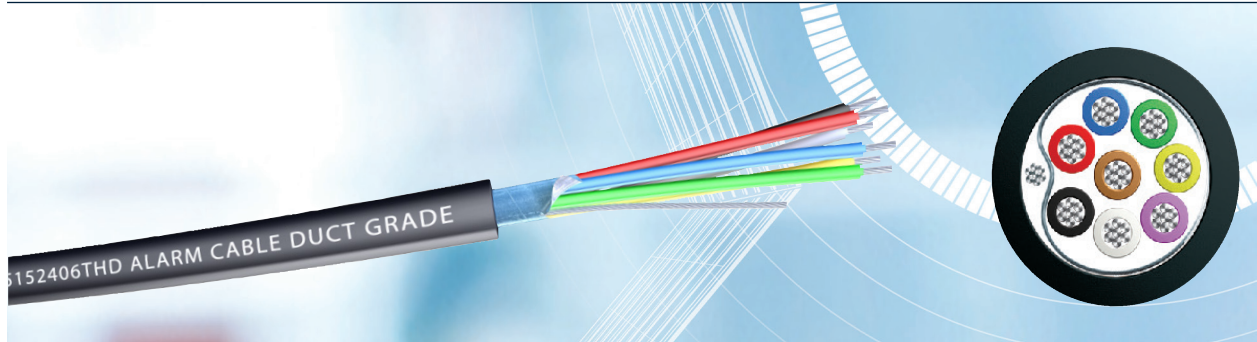
Cores	Stranded Tinned Copper wire. LSZH FireFighter® IEC 60332-1 Insulated (resistance < 100 Ω/km)
Formation	Unscreened : 4, 6, 8 or 12 cores Screened : 4, 6, 8 or 12 cores Overall Aluminium/polyester taped + stranded TC drain wire.
Outer Jacket	LSZH FireFighter® IEC 60332-1
Colour	White

Specification

Part Number	Shield Type	# of Cores	Overall Diameter (mm)
404	Unscreened	4	3,4
604	Unscreened	6	4,0
804	Unscreened	8	4,3
1204	Unscreened	12	5,5
414	Screened	4	3,7
614	Screened	6	4,3
814	Screened	8	4,6
1214	Screened	12	6,2

Screened Alarm Cable Duct Grade

acc. to BS4737-3.30 as Type 2 but PE sheathed



Description

Alarm cables for intruder alarm, intercom and detector connection where installation is externally in a duct or extra mechanical protection is needed.

Technical Description

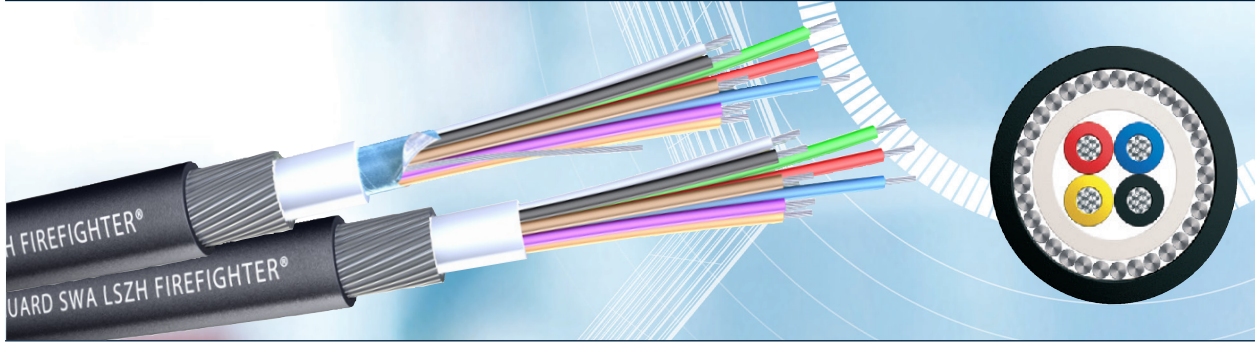
Cores	Stranded Tinned Copper wire. PVC Insulated (resistance < 100 Ω/km)
Formation	4, 6, 8 or 12 cores Overall Aluminium/polyester taped + stranded TC drain wire.
Outer Jacket	High Density Polyethylene (HDPE)
Colour	Black

Specification

Part Number	# of Cores	Overall Diameter (mm)
5152404THD	4	5,3
5152406THD	6	5,6
5152408THD	8	6,2
5152412THD	12	7,8

DataGuard® (SWA) Alarm Cable LSZH FireFighter

acc. to BS4737-3.30 Type 1



Description

Alarm cables for intruder alarm, intercom and detector connection with DataGuard® Steel Wire Armour. These cables may be buried directly in the ground or installed internally where there is risk of damage or security breach.

Technical Description

Cores	Stranded Tinned Copper wire. LSZH FireFighter® IEC 60332-1 Insulated (resistance < 100 Ω/km)
Formation	Unscreened : 4, 6, 8 or 12 cores Screened : 4, 6, 8 or 12 cores Overall Aluminium/polyester taped + stranded TC drain wire.
Inner Jacket	LSZH FireFighter® IEC 60332-1
Armour	DataGuard® Steel Wire Armour (SWA)
Outer Jacket	LSZH FireFighter® IEC 60332-1
Colour	Black

Specification

Part Number	Shield Type	# of Cores	Overall Diameter (mm)
14404	Unscreened	4	8,8
14604	Unscreened	6	8,8
14804	Unscreened	8	8,8
141204	Unscreened	12	9,3
14414	Screened	4	8,8
14614	Screened	6	8,8
14814	Screened	8	8,8
141214	Screened	12	10,0