



Shielded Fire Resistant Cable

Description

Alantek Fire Resistant Control Cable consists of Bare Copper Conductor with Mica Tape, XLPE Insulation, with or without Aluminium Foil and Outer LSZH Jacket

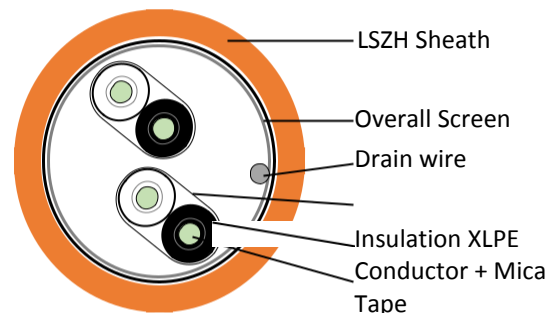
Application

Multipair Control Cable for industrial, alarm, PA and critical system.

Tested in accordance to IEC 60332-3A, IEC 60331, BS 5308 or/and BS 6387 CZW

Colour Code

- 1 pair: Black, White
- > 1 pair: Black, White with numberings (1, 2, 3, 4, cont.)



Specification For Cable

Pair/Size mm2		1 x 1.0	1 x 1.5
Item			
Standard		BS 5308, IEC 60331, IEC 60332-3A	
Conductor	Material	Plain annealed copper wires, free from any discolouration (Class 2)	
Wrapping	Material	Mica Tape (1 layer)	
Conductor	Shape or Composition	Circular stranded	
	Composition	No./mm	7/0.430 7/0.530
Insulation	Material	XLPE compound	
	Nom. thickness, mm	0.50	0.60
Core Identification	1 Pair	Black / White	
Cabling	Direction of lay	Right hand lay (Z) direction	
	Laid up of pairs	1PR	
Overall Screen	Drain wire	Tinned annealed strand copper wire (7/0.3mm)	
	Screen	Laminated Aluminium polyester tape	
Outer Sheath	Material	Orange colour LSOH compound having flame retardant	

Pair/Size mm2		2 x 1.0	2 x 2.5
Item			
Standard		BS 5308 , IEC 60331, IEC 60332-3A	
Conductor	Material	Plain annealed copper wires, free from any discolouration (Class 2)	
Wrapping	Material	Mica Tape (1 layer)	
Conductor	Shape or Composition	Circular stranded	
	Composition	No./mm	7/0.430 7/0.670
Insulation	Material	XLPE compound	
	Nom. thickness, mm	0.50	0.70
Core Identification	2 Pair	Black / White Each pair is mark with 1, 2, 3, 4, cont.	
Cabling	Direction of lay	Left hand lay (S) direction	
	Laid up of pairs	2PR	
Overall Screen	Drain wire	Tinned annealed strand copper wire (7/0.3mm)	
	Screen	Laminated Aluminium polyester tape	
Outer Sheath	Material	Orange colour LSOH compound having flame retardant properties complying	





		properties complying to IEC 60332-3A	
	Nom. thickness, mm	0.75	0.80
Approx. of overall diameter, mm± 0.60		7.20	8.30
Max. CR @ 20°C		16.80	11.00

		to IEC 60332-3A	
	Nom. thickness, mm	0.90	1.2
Approx. of overall diameter, mm± 0.60		9.10	12.50
Max. CR @ 20°C		16.80	6.88

Part #	Description
301-FRS010-E01P-3M05	1-pair 1.0mm ² Fire Resistant Shielded Cable, LSZH, IEC 60331, Orange (500m)
301-FRS015-E01P-3M05	1-pair 1.5mm ² Fire Resistant Shielded Cable, LSZH IEC 60331, Orange (500m)
301-FRS010-E02P-3M05	2-pair 1.0mm ² Fire Resistant Shielded Cable, LSZH, IEC 60331, Orange (500m)
301-FRS025-E02P-3M05	2-pair 2.5mm ² Fire Resistant Shielded Cable, LSZH, IEC 60331, Orange (500m)

