

Shielded Fire Alarm Cable

2 Core × 1.5 mm² (Solid Copper) | Style: Shielded Fire Cable 2C×1.5

GENERAL INFORMATION

Printed Name	Pixcell Fire Alarm Cable
Operating Temperature Range	-20 °C to 70 °C
Operating Voltage	300 V
Style	Shielded Fire Cable 2C×1.5

CONSTRUCTION

Conductor	2 cores of solid copper	Shielding – Tape 1	100% PET Coverage
Conductor Diameter	1.38 mm	Shielding – Tape 2	100% Glass Fibre Coverage
Insulation	Fire-retardant PVC (Class C)	Shielding – Tape 3	100% Aluminium Foil Coverage
Insulation Thickness	Approx. 0.71 mm	Drain Wire	Tinned 1/0.5mm Copper
Insulation Diameter	2.8 mm	Outer Sheath Material	Fire-retardant PVC, Red
Insulation Colour	Red / Black	Outer Sheath Diameter	8.6 mm

TECHNICAL SPECIFICATIONS

Structure	Technical Request (mm)	Test Results (mm)
Insulation Average Thickness	0.70	0.68 – 0.70
Insulation Least Thickness	0.53	0.67 – 0.68
Jacket Average Thickness	1.00	1.00
Jacket Least Thickness	0.80	0.82
Jacket Diameter	8.6	8.6 – 8.75
Shielding	PET Tape / 1-0.5 Copper-CCA Drain Wire / Glass Fibre Tape / Aluminium Foil	Fit

PERFORMANCE & APPLICATIONS

Typical Applications **Fixed installations: smoke detectors, notification systems, and signalling loops in enclosed indoor environments**

SOLID BURNING TEST

Distance – Bracket to Carbonization Start (Min.)	50 mm
Distance – Bracket to Carbonization Start (Max.)	540 mm
Distance – Bracket to Carbonization Start (Actual)	325 – 340 mm

ELECTRICAL PERFORMANCE

Conductor Resistance @ 20°C (Max.)	13.3 Ω/km — Actual: 11.6 – 11.8 Ω/km
Insulation Core Voltage Test	1.5 kV, No Breakdown
Cable Voltage Test	2.0 kV, No Breakdown

ORDERING INFORMATION

Part Number / Batch	Pixcell 2C 1.5mm ² Fire Alarm Cable
Reel Sizes	100 m, 200 m, 500 m Reels
Colour Options	Red Outer Sheath; Core Colours Red / Black

