

ALSECURE® PREMIUM INFIT™ PT

ALSECURE® PREMIUM INFIT™ PT 4x2x0.6 (EN 50200)

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Fire resistant alarm cable with halogen free, UV-protected flame retardant sheath.

DESCRIPTION

Design

Halogen free, flame retardant, fire resistant, pair-twisted signalling cable. PE insulated Cu wire, halogen free UV-protected sheath type HFFR-LS. ALSECURE® PREMIUM INFIT™ PT is used as a signalling cable in fire alarm installations where there is a demand for function also during and after a fire. The cable is intended for fixed installation indoors.

For outdoor installation, the cable must be protected against direct sunlight and moisture. Installation in ground, with or without pipes is not recommended.

Quality system

Design, manufacture and testing have been carried out according to the requirements in ISO 9001.

Environmental management system

The activities at our plant are certified to ISO 14001.



INFIT™
technology

STANDARDS

International EN 50200;
IEC 60331-2; IEC 60332-1;
IEC 60332-3 Cat.C; IEC 60754;
IEC 61034



Halogen free
Yes



Operating temp.
-25 ... 70 °C



Ambient installation T°
C range
-10 ... 40 °C



Smoke density
IEC 61034



Fire resistant
EN 50200 PH90



Fire retardant
IEC 60332-3-24



Operation bending rad.
59 mm

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CHARACTERISTICS

Construction characteristics

Conductor shape	Single wired
Conductor material	Bare copper
Insulation	Halogen free thermoplastic material - INFIT™
Halogen free	Yes
Material of bedding	None
Outer sheath	HFFR (Halogene Free Flame Retardant)
Screen	No
Sheath colour	White

Dimensional characteristics

Approximate weight	61 kg/km
Average sheath thickness	0.9 mm
Conductor diameter	0.6 mm
Copper content	20.2 kg/km
Nominal outer diameter	7.3 mm

Electrical characteristics

Operating Voltage Vo DC	100 V
Characteristic impedance at 1MHz	- Ohm
Max. capacity pair / core to core	70 nF/km
Nominal resistance of the conductor	65.00 Ohm/km
Ohmical resistance of the insulation	500 MOhm.km

Usage characteristics

Length	500 m
Operating temperature, range	-25 ... 70 °C
Ambient installation temperature, range	-10 ... 40 °C
Smoke density	IEC 61034
Fire resistant	EN 50200 PH90
Fire retardant	IEC 60332-3-24
Laying operation bending radius	59 mm