

DATASHEET



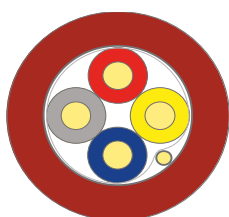
JE-H(St)H ... Bd

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Fire Alarm Cables



Cable construction

Conductor	Bare copper wire
Insulation	HFFR, in compliance with DIN VDE 0805 colour code 70 °C EN 50290-2-26, HJ2 DIN VDE 0207-23
Seperator	Polyster tape 100% min. coverage
Drain wire	Tinned copper drain wire
Screen	Plastic coated aluminium foil 100% coverage
Sheath	HFFR- RAL 3000 Red 70 °C EN 50290-2-27, HM2 DIN VDE 0207-24

Application

Halogen free insulated and sheathed cable range is used for signal and data transmission in fixed interior installations in dry or wet areas. The cable is protected against ambient electromagnetic interference by its static screen. Used between the control panel and detectors, buttons and field control modules in the fire alarm system. Cables are composed of halogen-free materials (flame retardant materials that do not emit toxic gas or black dense smoke that lowers visibility). They are primarily used in highly populated areas that should have fire resistance.

Technical information

Operating temperature	-20 °C ... +70 °C
Bending radius	min. 10 x D
Insulation resistance	min. 100 MΩ x km
Mutual capacitance	nom. 120 nF/km
Capacitance unbalance	max. 200 pF/100m
Operating voltage	max. 225 V
Testing voltage	500/2000 V

Loop DC resistance

Ø 0,80mm	max.	73,2 Ω/km
Ø 1,0mm	max.	44,4 Ω/km
1,5 mm ²	max.	24,2 Ω/km
2,5 mm ²	max.	14,8 Ω/km

Fire Performances

Vertical flame propagation EN 60332-1-2

Standards

TS 13767, DIN VDE 0815

EU Declaration of Conformity

LVD Low Voltage Directive 2014/35/EU

RoHS EC Directive 2015/863/EU

Specifications are subject to the technical modification.

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product code	cable structure	diameter [mm]	copper weight [kg/km]	cable weight [kg/km]
121097	1x2x0,80mm+0,80mm	4,9	14	36
121098	2x2x0,80mm+0,80mm	5,5	23	53
121099	3x2x0,80mm+0,80mm	7,2	32	74
121100	4x2x0,80mm+0,80mm	7,9	42	92

product code	cable structure	diameter [mm]	copper weight [kg/km]	cable weight [kg/km]
121135	1x2x1,0mm+0,80mm	5,3	19	43
121136	2x2x1,0mm+0,80mm	6	33	67

product code	cable structure	diameter [mm]	copper weight [kg/km]	cable weight [kg/km]
121211	1x2x1,5mm ² +0,80mm	6,9	30	68
121212	2x2x1,5mm ² +0,80mm	7,9	56	112

product code	cable structure	diameter [mm]	copper weight [kg/km]	cable weight [kg/km]
121230	1x2x2,5mm ² +0,80mm	8,1	48	97

Specifications are subject to the technical modification.