

## Beran Flam J-H(St)H 1x2x1,50 mm<sup>2</sup> FB90/E30

FMLB-PSA00-F01-302

version: UK-29-1-2020

Halogen free fire resistant signal cable

### General Description

#### Application

cable for fire alarm application

#### General Construction

solid conductors

silicon wire insulation

foil screenen with drain wire

LSZH jacket

#### Marking

BERAN FLAM J-H(St)H 1x2x1,5 mm<sup>2</sup> FB90/E30

#### Core coding

red and blue

### Characteristics

#### Construction details

conductor	1,38 mm (=1,5 mm <sup>2</sup> ) bare copper
insulation	SIR
diameter	2,2 mm
construction	the cores are twisted into a pair
wrapping foil	polyester
drain wire	1,00 mm tin plated copper
screening	aluminiumpolyester foil
jacket	LSZH
colour	red
diameter	6,9 mm
weight	69 kg/km

#### Electrical Properties

resistance	12,5 Ohm/km
Capacity	130 nF/km
working voltage	300 V (not for power applications)
test voltage	1000 V
Insulation resistance	> 1000 MOhm.km

#### Other properties

CPR- fire classification	nvt
fire resistance according EN 50200	FB 90 (90 minutes)
fire resistance according DIN 4102-12	E30 (30 minutes)
Mounting systems for fire resistance	cable clamp for one cable E30 or better standard cable tray E30 or better standard cable ladder E30 or better
Halogen free	yes
ROHS compliant	yes
REACH compliant	yes
cable according NEN2535	yes

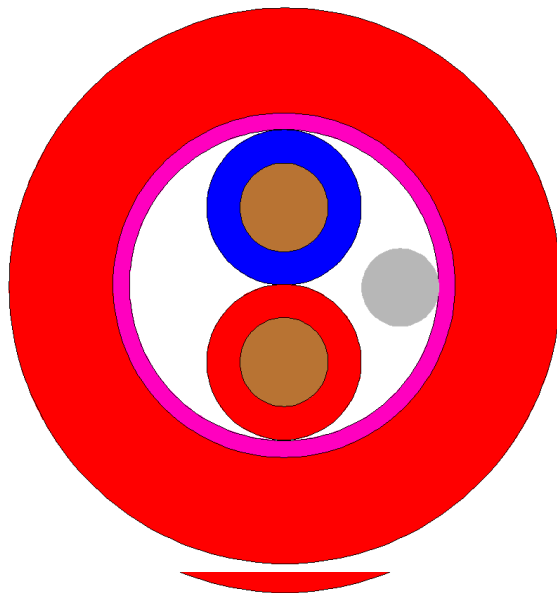
#### Usage

Bending Radius	6 x O.D.
Application	fixed application
Temperature range during mounting	-5°C + 50°C
temperature range dworking conditions	-30°C + 70°C

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Drawing



Remark

All data in this document such as dimensions, weight and electrical values have been calculated or measured with great care. However the actual values may differ. No rights can be derived from the information in this document. If there are any comments on this document, please let us know.