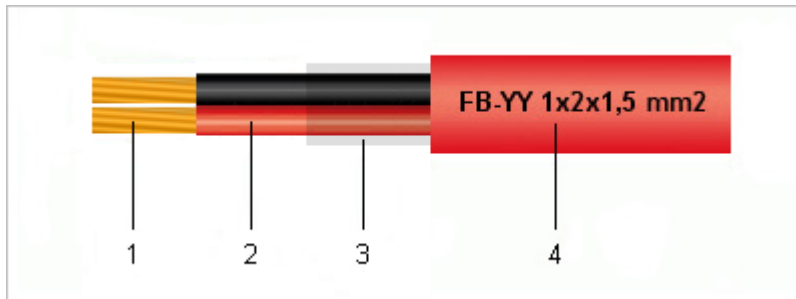


# DATASHEET

## FB-YY Lg BMK Fire alarm cable



### Structure

- > 1 Stranded bare copper conductor
- > 2 PVC core insulation  
Cores twisted in pairs, pairs twisted in layers (Lg) (Twisting direction Z axis)  
(The 2-paired versions: star-quad cable design)
- > 3 Polyester plastic (PET) foil wrapping over the cores
- > 4 PVC outer sheath, red colour RAL 3000 with imprint:  
"FB-YY ...x2x... Lg BMK Fire Alarm Cable, Lot number, Meter number"

### Dimensions

Conductor structure nominal	Outer Ø nominal [mm]	Conductor resistance at 20 °C [Ω/100m]	CU weight nominal [kg/km]	Weight approx. [kg/km]
1x2x0,75 mm <sup>2</sup>	5,2	<29,1	13,0	35
1x2x1,0 mm <sup>2</sup>	6,1	<19,8	17,8	41
1x2x1,5 mm <sup>2</sup>	6,7	<13,2	27,4	51
1x2x2,5 mm <sup>2</sup>	7,6	<8,2	46,6	80
2x2x0,75 mm <sup>2</sup>	5,9	<29,1	27,4	57
2x2x1,0 mm <sup>2</sup>	7,1	<19,8	37,4	78
2x2x1,5 mm <sup>2</sup>	7,8	<13,2	47,2	100

### Application


Fire alarm signal and data transmission cable (BMK) is used in fire alarm applications for fire detection and control systems with properties limiting the generation and spread of fire.

This cable is preferably used for indoor installation, but also in the open air for fixed installation on outer walls of buildings - provided it is protected against direct exposure to the sun.

# DATASHEET

## FB-YY Lg BMK Fire alarm cable

### Properties

- > Stranded bare copper conductors, PVC insulated cores, PVC outer sheathed cable.
- > Cable is in accordance with standards:
  - EN 50575:2014 reaction to fire;
  - EN 13501-6 fire classification;
  - DIN VDE 0815 cable construction and core identification.
- > The fire alarm cable is REACH compliant, as well as meeting the requirements of other legislation such as the RoHS Directive. The materials used in this cable are cadmium-free and contain no silicone and do not represent health hazards and minimize the environmental impact.
- > The product is conformed with the Low Voltage Directive (LVD) 2014/35/EU of the European Parliament and of the Council ensures that electrical equipment within certain voltage limits provides a high level of protection for European citizens.
- >  Product meets all the legal requirements for CE marking and can be sold throughout the European Economic Area (EEA).

### Technical data

Peak working voltage:	300 V
Test voltage:	800 V eff. (Core/core, AC 50 Hz)
Temperature range:	Fixed installation -30 °C to +70 °C
Insulation resistance:	Min. 100 MΩ x km
Mutual capacitance:	At 800 Hz max. 100 nF / km (This value may be exceeded by 20%)
Minimum bending radius:	Fixed installation 7,5 x cable Ø

### Packaging

In coil or drum.