

# BFSI and BFSI-EMC 0.6/1 kV Alsecure Plus

BFSI-EMC 0.6/1kV 4x2.5/2.5

**International Designation:** BFSI-EMC 0.6/1kV 4x2,5/2,5

**Nexans Ref.:** 10125818

**Country Ref.:** 1067374

**EAN 13:** 7045210046960

NO-N1XA5Z1-R

## DESCRIPTION

Recommended for indoor and outdoor use in all areas, and in the ground without extra protection, where it is required that the cable shall operate and fully maintain its function in a fire situation. The product is designed and tested to last minimum 90 minutes, and up to a temperature of 1000 deg. Celsius during a fire. Suitable for low voltage systems; 230 V, 400 V and 690 V.

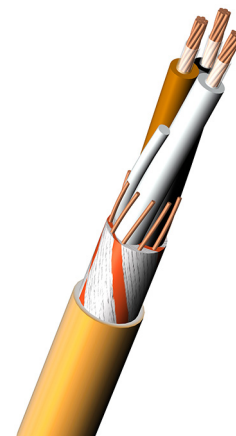
The copper screen is dimensioned to fulfill the requirements to earth conductor (PE).

Some smaller cross sections are manufactured as EMC types (aluminium tape screen + copper earth conductor, that is possible to separate from outer sheath). Please see product list for details regarding EMC and standard types.

The product is compliant with NEK-HD 604-5D, which specifies particular requirements regarding durability in cold environments and protection against water intrusion, suitable for norwegian climate and conditions.

Tested for fire resistance and functional capability for 90 minutes or more.

BFSI is a low smoke, fire resistant and halogen free version of cabletype PFSP 0.6/1 kV.



# Lifemark™



Conductor flexibility  
**Stranded class 2**



Halogen free  
**Yes**



Lead free  
**Yes**



Rated Voltage U<sub>o</sub>/U  
(Um)  
**0.6/1 kV**



Cable flexibility  
**Rigid**



Fire resistant  
**IEC 60331**



Flame retardant  
**IEC 60332-3 Cat. C**



Max. conductor  
temp. in service  
**90 °C**

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

Generated 9/21/21 [www.nexans.no](http://www.nexans.no) Page 1 / 2

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## CHARACTERISTICS

### Construction characteristics

|                                |                               |
|--------------------------------|-------------------------------|
| Conductor flexibility          | Stranded class 2              |
| Conductor material             | Bare annealed copper stranded |
| Halogen free                   | Yes                           |
| Insulation                     | XLPE + Mica tape              |
| Lead free                      | Yes                           |
| Outer sheath                   | PE                            |
| Sheath colour                  | Orange                        |
| Type of conductor              | Circular, stranded            |
| With Green/Yellow core         | No                            |
| With smaller neutral conductor | No                            |

### Dimensional characteristics

|  |                     |
|--|---------------------|
| Approximate weight                       | 30.1 kg/100m        |
| Approximate weight                       | 301 kg/km           |
| Conductor cross-section                  | 2.5 mm <sup>2</sup> |
| Conductor diameter                       | 2.0 mm              |
| Neutral conductor section (when smaller) | - mm <sup>2</sup>   |
| Nominal outer diameter                   | 16.3 mm             |
| Number of cores                          | 4                   |
| Number of strands                        | 7                   |
| Screen section                           | 2.5 mm <sup>2</sup> |

### Electrical characteristics

|   |          |
|---|----------|
| Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> ) | 0.6/1 kV |
|---|----------|

### Mechanical characteristics

|                   |       |
|-------------------|-------|
| Cable flexibility | Rigid |
|-------------------|-------|

### Usage characteristics

|                                       |                    |
|---------------------------------------|--------------------|
| Fire load                             | - MJ/km            |
| Fire resistant                        | IEC 60331          |
| Flame retardant                       | IEC 60332-3 Cat. C |
| Length                                | 500 m              |
| Max. conductor temperature in service | 90 °C              |
| Packaging                             | Drum               |