



**Nexans Ref.:** 10125814  
**Country Ref.:** 1067364  
**EAN 13:** 7045210046922

**International Designation:** BFSI-EMC 0.6/1kV 3x1,5/1,5

NO-N1XA5Z1-R

## STANDARDS

**Product** IEC 60228; NEK HD 604-5D

**Installation** NEK 600

**Test** IEC 60331-1 or 2; IEC 60332-1-2; IEC 60332-3-24 Cat.C; IEC 60754-1; IEC 60754-2; IEC 61034

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 orange outer sheath will fade to white over time if exposed by sunlight. This fading will not degrade the cable, however UV protection In areas with extra high UV intensity could be considered.

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.



Conductor flexibility  
Stranded class 2



Halogen free  
Yes



Rated Voltage Uo/U  
(Um)  
0,6/1 kV



Cable flexibility  
Rigid



Fire resistant  
IEC 60331



Fire retardant  
IEC 60332-3-24  
(cat C)



Max. conductor  
temp. in service  
90 °C



Minimum  
installation  
temperature  
10 °C

## CHARACTERISTICS

### Construction characteristics

Conductor flexibility	Stranded class 2
Conductor material	Bare annealed copper stranded
Conductor shape	Circular
Halogen free	Yes
Insulation	XLPE + Mica tape
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	20.6 kg/100m
Approximate weight	206 kg/km
Conductor cross-section	1.5 mm <sup>2</sup>
Conductor diameter	1.6 mm
Neutral conductor section (when smaller)	- mm <sup>2</sup>
Nominal outer diameter	13.3 mm
Number of cores	3
Number of strands	7
Screen section	1.5 mm <sup>2</sup>

### Electrical characteristics

Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0,6/1 kV
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### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics

Fire load	- MJ/km
Fire resistant	IEC 60331
Fire retardant	IEC 60332-3-24 (cat C)
Length	500 m
Max. conductor temperature in service	90 °C
Minimum installation temperature	10 °C
Minimum operating temperature	-40 °C
Packaging	Drum
U.V resistance	-

## SELLING AND DELIVERY INFORMATION

The cable is marked with LIFEMARK™.