

BFSI and BFSI-EMC 0.6/1 kV Alsecure Plus

BFSI 0.6/1kV 4x6/6

International Designation: BFSI 0.6/1kV 4x6/6

Nexans Ref.: 10021876

Country Ref.: 1067290

EAN 13: 7045210009392

NO-N1XCZ1-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.

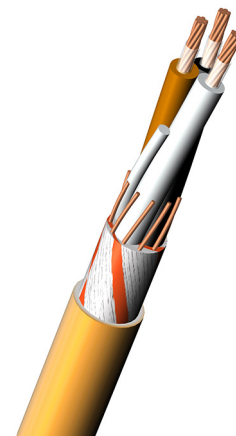
The copper screen is dimensioned to fulfill the requirements to earth conductor (PE).

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 Uo/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 Page 1 / 2

BFSI and BFSI-EMC 0.6/1 kV Alsecure Plus

BFSI 0.6/1kV 4x6/6

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	64.0 kg/100m
Approximate weight	640 kg/km
Conductor cross-section	6 mm ²
Conductor diameter	3.0 mm
Neutral conductor section (when smaller)	- mm ²
Nominal outer diameter	19.6 mm
Number of cores	4
Number of strands	7
Screen section	6 mm ²

Electrical characteristics

Rated Voltage U ₀ /U (U _m)	0.6/1 kV
---	----------

Mechanical characteristics

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

Usage characteristics

Fire load	5500 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