

NOAC-E 300/500 V (S05VA7V-F)**NOAC-E 300/500 V 3G1,5/1,5**Nexans ref.: 22007341-250-02

Country ref.: 0505223

The cable may be used indoors in environments that require an extra protection against electrical fields (E-fields), i.e. buildings where electro allergic people lives and works. Other allowed applications; like H05VV-F.

Description

NOAC-E stands for NON-Allergenic Cable and is a lead free, PVC insulated, aluminium screened, PVC sheathed connecting cable with circular, multi stranded, bare copper conductors. The cable is designed according to HD 21.5 in applicable parts. The cable has a restricted field of application. The cables with numbers of conductors 2-5 and cross-sections 1,5-2,5 mm² are for installation in conduits and cables with numbers of conductors 3-5 and cross-section 0,75-2,5 mm² is only for class 1 appliances. The conductors have resistance according to IEC 60228 class 5. The cores are cabled together and identified by colours according to HD 308. Together with the cable body a Tinned Drain wire is added. The screen of aluminium is turned with the AL-side inwards. The sheath is marked "Nexans GS NOAC-E (S)". NOAC-E meets the requirements for flammability according IEC 60332-1 (F2). The cable is certified by SEMKO.

**Restricted field of application**

For installation in conduits: 2-5 conductors, 1,5-2,5 mm². Installation according to national wiring regulations.

Flexible cords 3-5 conductors, 0,75-2,5 mm². Only for class 1 appliances.

Standards**National SS 424 02 31-5****Certification**

Certified by SEMKO

Flammability class

IEC 60332-1 and SS 424 14 75, cat. F2

Standard

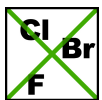
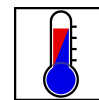
CENELEC HD 21.5 where applicable.

Quality system

EN ISO 9001.

Environmental system

The activities at our plant in Grimsås are certified to ISO 14001.

Halogen free
NoRated Voltage U₀/U (Um)
300 / 500 VFlame retardant
IEC 60332-1Operating temp. range
0 .. 70 °C

NOAC-E 300/500 V (S05VA7V-F)

NOAC-E 300/500 V 3G1,5/1,5

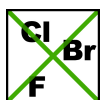
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Characteristics

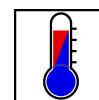
Construction characteristics	
Colour	White
Conductor material	Bare copper
Insulation	PVC
Armour type	Aluminium foil
Outer sheath	PVC (Polyvinyl chloride)
Halogen free	No
Dimensional characteristics	
Number of cores	3
Conductor cross-section	1.5 mm ²
Number of core wires (nb x mm Ø)	32 x 0.23 mm Ø
Conductor diameter	1.6 mm
Average insulation thickness	0.7 mm
Diameter over insulation	3.0 mm
Average sheath thickness	0.9 mm
Nominal outer diameter	8.3 mm
Approximate weight	100 kg/km
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	13.3 Ohm/km
Rated Voltage U _o /U (U _m)	300 / 500 V
Usage characteristics	
Length	100 m
Packaging	Reel
Flame retardant	IEC 60332-1
Operating temperature, range	0 .. 70 °C

Selling delivery information

NOAC-E is delivered in specified lengths. The package is marked with manufacturer, type of cable, length and manufacturing date.


 Halogen free
No

 Rated Voltage U_o/U (U_m)
300 / 500 V

 Flame retardant
IEC 60332-1

 Operating temp. range
0 .. 70 °C