

Certificate of Product Approval

Certificate Number: 946b

Issue: 05

**NEXANS TÜRKİYE ENDÜSTRİ VE
TİCARET A.Ş.**

Bozburun Mahallesi
Ahmet Nuri Erikoglu Caddesi No: 2
Denizli
Turkey

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

Product(s)

Cable Types as listed below:
NX 100

Standard(s) (see Appendix for details)

BS 8592:2016
BS 6387:2013 CWZ
EN 50200:2015 (Class PH120)
EN 50200:2015 Annex E (30 mins)
BS 8434-2:2003+A2:2009 (120 mins)
IEC 60331-21:1999
EN 61034-2:2005+A1:2013
EN 60754-1:2014
EN 60754-2:2014

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Obada Piracha

Signed for BRE Global Ltd.

Obada Piracha
Senior Certification Manager

11 June 2024
Date of Issue

26 July 2010
Date of First issue



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Appendix to Certificate No: 946b NEXANS TÜRKİYE ENDÜSTRİ VE TİCARET A.Ş.

Issue: 05

Product name								LPCB Ref. No.
NX 100								946b/01
Nominal csa of conductor (mm ²)	Core Construction See note 1	BS 8592	BS 6387 See note 2 & 3	EN 50200 See note 4 & 5	BS 8434-2	EN 60754-2	EN 61034-2	IEC 60331-21 See note 6
1.5	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
2.5	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
4.0	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
6.0	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
10	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
16	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
25	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
35	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
50	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
70	One	Complies	C, W, Z	PH120 Annex E	120 minutes	Complies	>60%	Complies
95	One	-	C, W, Z	PH120 Annex E	-	Complies	>60%	Complies

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Issue: 05

Product name								LPCB Ref. No.
NX 100								946b/01
Nominal csa of conductor (mm ²)	Core Construction See note 1	BS 8592	BS 6387 See note 2 & 3	EN 50200 See note 4 & 5	BS 8434-2	EN 60754-2	EN 61034-2	IEC 60331-21 See note 6
120	One	-	C	-	-	Complies	>60%	Complies
150	One	-	C	-	-	Complies	>60%	Complies
185	One	-	C	-	-	Complies	>60%	Complies
240	One	-	C	-	-	Complies	>60%	Complies
300	One	-	C	-	-	Complies	>60%	Complies

Uo/U 450/750V

Notes:

1. Stranded conductor only.
2. Where a single cable is fitted in a conduit, only phase to earth voltage was applied.
3. When testing to BS 6387:2013, for categories CWZ, testing was conducted using a 20mm or 38mm stainless conduit. Either one or three conductors are tested, and this is dependent on cable diameter. The conduit in all cases is connected to the neutral of the transformer.
4. Standards EN 50200 & BS 8434-2 do not recognise cables in conduit. However, in order to test to the methodologies given in EN 50200 & BS 8434-2 required by specific regions, testing was conducted using a 20mm steel conduit.
5. The duration of 30 minutes when tested in accordance with EN 50200: 2015 Annex E is achieved by 15 minutes for the fire and mechanic shock phase and a further 15 minutes for the fire mechanic shock and water phase.
6. The NX 100 Cables met the requirements of IEC 60331-21: 1999 when tested at a temperature of 750°C for a duration of 90 + 15 minutes cool down, at a voltage rating of 450V.

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