

Certificate of Product Approval

Certificate Number: 1151c

Issue: 02

**TÜRK PRYSMIAN KABLO ve
SISTEMLERİ A.Ş.**

Ömerbey Mah
Bursa Asfalti Cad
No 51 Mudanya 16941
BURSA
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:
AFUMEX N2XH FE 180
See Certificate Appendix for details

Standard(s) (see Appendix for details)

EN 61034-2:2005
EN 50267-2-1:1999
EN 50267-2-2:1999
EN 50267-2-3:1999
IEC 60331-21:1999
EN 60332-1-2:2004
EN 60332-3-24:2009

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

Signed for LPCB

David Hoare
Certification Manager

15 July 2015
Date of Issue

10 February 2015
Date of First issue



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Appendix to Certificate No: 1151c TÜRK PRYSMIAN KABLO ve SİSTEMLERİ A.Ş.

Issue: 02

Product name						LPCB Ref. No.
AFUMEX N2XH FE 180						1151c/01
Nominal csa of conductor (mm ²)	Core Construction (excluding drain wire and earth)	EN 61034-2	EN 50267-2-1	EN 50267-2-3	IEC 60331-21	EN 60332-3-24
4.0 ⁽¹⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
6.0 ⁽¹⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
10 ⁽¹⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
16 ⁽¹⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
25 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
35 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
50 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
70 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
95 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
120 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
150 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
185 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies

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Nominal csa of conductor (mm ²)	Core Construction (excluding drain wire and earth)	EN 61034-2	EN 50267-2-1	EN 50267-2-3	IEC 60331-21	EN 60332-3-24
240 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
300 ⁽²⁾	One	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies

Uo/U 600/1000V

Notes:

1. Solid conductor only.
2. Stranded conductor only.
3. The AFUMEX N2XH FE 180 cables met the requirements of IEC 60331-21: 1999 when tested at a temperature of 750°C for a duration of 180mins at a voltage rating of 600/1000V.
4. In achieving a weighted average of pH greater than 4.3 and a weighted average of conductivity less than 10µS/mm on the constituent materials when tested in accordance with EN 50267-2-3:1999, the AFUMEX N2XH FE 180 cables listed also met the requirements of EN 50267-2-2:1999.
5. The AFUMEX N2XH FE 180 cables listed also met the requirements of EN 60332-1-2:2004

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Nominal csa of conductor (mm ²)	Core Construction (excluding drain wire and earth)	EN 61034-2	EN 50267-2-1	EN 50267-2-3	IEC 60331-21	EN 60332-3
1.5 ⁽¹⁾	2,3,4,5,7,10,12,14 & 16	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
2.5 ⁽¹⁾	2,3,4,5,7,10,12,14 & 16	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
4.0 ⁽¹⁾	2,3,4 & 5	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
6.0 ⁽¹⁾	2,3,4 & 5	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
10 ^(1,2)	2,3,4 & 5	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
16 ^(1,2)	2,3,4 & 5	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
25 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
35 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
50 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
70 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
95 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
120 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies

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Nominal csa of conductor (mm ²)	Core Construction (excluding drain wire and earth)	EN 61034-2	EN 50267-2-1	EN 50267-2-3	IEC 60331-21	EN 60332-3
150 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
185 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
240 ⁽²⁾	4	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies

Uo/U 600/1000V

Notes:

1. Solid conductor only.
2. Stranded conductor only.
3. The AFUMEX N2XH FE 180 cables met the requirements of IEC 60331-21: 1999 when tested at a temperature of 750°C for a duration of 180mins at a voltage rating of 600/1000V.
4. In achieving a weighted average of pH greater than 4.3 and a weighted average of conductivity less than 10µS/mm on the constituent materials when tested in accordance with EN 50267-2-3:1999, the AFUMEX N2XH FE 180 cables listed also met the requirements of EN 50267-2-2:1999.
5. The AFUMEX N2XH FE 180 cables listed also met the requirements of EN 60332-1-2:2004

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16/10	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
25/16	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
35/16	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
50/25	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
70/35	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
95/50	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
120/70	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
150/70	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
185/95	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies
240/120	3	>60%	<0.5% HCl	Complies	Complies ⁽³⁾	Complies

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Uo/U 600/1000V

Notes:

1. Solid conductor only.
2. Stranded conductor only.
3. The AFUMEX N2XH FE 180 cables met the requirements of IEC 60331-21: 1999 when tested at a temperature of 750°C for a duration of 180mins at a voltage rating of 600/1000V.
4. In achieving a weighted average of pH greater than 4.3 and a weighted average of conductivity less than 10µS/mm on the constituent materials when tested in accordance with EN 50267-2-3:1999, the AFUMEX N2XH FE 180 cables listed also met the requirements of EN 50267-2-2:1999.
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