

Certificate of Product Approval

Certificate Number: 1069f

Issue: 01

BAHRA CABLES COMPANY

CPC Industrial Park
Bahra
Jeddah 21432
SAUDI ARABIA



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:
FSB WIRE
See Certificate Appendix for details

Standard(s) (see Appendix for details)

BS 6387:2013 (Category CWZ)
IEC 60331-21:1999
IEC 61034-2:2005+A1:2013
EN 60754-1:2014
EN 60754-2:2014
EN 50200:2006 (Class PH120)
IEC 60332-1-2:2004

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

Damien Ward

Signed for LPCB

Damien Ward
Certification Scheme Manager

27 April 2017
Date of Issue

27 April 2017
Date of First issue



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Appendix to Certificate No: 1069f BAHRA CABLES COMPANY

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Product name								LPCB Ref. No.
FSB WIRE								1069f/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	IEC 60331-21	EN 60754-1	EN 60754-2	IEC 61034-2	EN 50200	EN 60332-1-2
1.5	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	-
2.5	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
4.0	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
6.0	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
10	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
16	One	CWZ ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
25	One	C & W ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
35	One	C & W ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
50	One	C & W ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
70	One	C & W ^(2 & 3)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies
95	One	C & W ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	PH120	Complies

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FSB WIRE								1069f/01
Nominal csa of conductor (mm ²)	Core Construction	BS 6387	IEC 60331-21	EN 60754-1	EN 60754-2	IEC 61034-2	EN 50200	EN 60332-1-2
120	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
150	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
185	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
240	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
300	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
400	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
500	One	C ^(2 & 5)	Complies	<0.5% HCl	Complies	>60%	-	Complies
630	One	-	Complies	<0.5% HCl	Complies	>60%	-	Complies

Uo/U 600/1000V

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Notes:

1. Stranded conductor only.
2. Where a single cable is fitted in a conduit, only phase to earth voltage was applied.
3. To satisfy the requirement of BS 6387, testing for C, W & Z categories was conducted using a 20mm stainless steel conduit as the other metallic element.
4. To satisfy the requirement of BS 6387, testing for W & Z categories was conducted using a 20mm stainless steel conduit as the other metallic element.
5. To satisfy the requirement of BS 6387, testing for C category was conducted using a 38mm stainless steel conduit as the other metallic element.
6. 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 60754-1:2014, the FSB 1000 cables listed also met the requirements of EN 60754-2:2014.
7. The FSB WIRE cables met the requirements of IEC 60331-21:1999 when tested at a temperature of 950°C for a duration of 180mins at a voltage rating of 600V.
8. Standard EN 50200 do not recognise cables in conduit. However in order to test to the methodologies given in EN 50200 required by specific regions, testing was conducted using a 20mm steel conduit.

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