

# CERTIFICATE

Issued to:  
Applicant:  
**Prysmian Netherlands B.V.**  
**Schieweg 9**  
**2627 AN Delft**  
**The Netherlands**

Manufacturer/Licensee:  
**Prysmian Netherlands B.V.**  
**Schieweg 9**  
**2627 AN Delft**  
**The Netherlands**

Product : Halogen free signalling cables with resistance to fire (FB 30/60)  
Trade name : DRAKA  
Type : K 163-402 (signaalkabel mbzh 23..)

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard KEMA 163-1:2008; KEMA 163-2:2008; KEMA 163-4:2008; NEN-EN 50200:2006
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900407

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on: 21 May 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2169442.13

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



H.R.M. Barends  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

|                                |                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product                        | : halogen free signalling cables with resistance to fire (FB 30/60)                                                                                        |
| trade name                     | : DRAKA                                                                                                                                                    |
| types                          | : K163-402 (signaalkabel mbzh 23..)                                                                                                                        |
| rated voltage                  | : 300 V a.c. / 450 V d.c.                                                                                                                                  |
| conductors                     | : plain copper, class 1                                                                                                                                    |
| insulation                     | : XLSr compound                                                                                                                                            |
| filler                         | : polyester tape                                                                                                                                           |
| fire resistant tape            | : glass tape                                                                                                                                               |
| screen                         | : metallized plastic tape with underneath a solid copper drain wire of 0,8 mm                                                                              |
| oversheath                     | : halogen free thermoplastic compound of type HFFR                                                                                                         |
| tested cable                   | : 2302.150 (2x2x1,5 mm <sup>2</sup> )                                                                                                                      |
| certified cables               | : 2301.150 (1x2x1,5 mm <sup>2</sup> )<br>2301.250 (1x2x2,5 mm <sup>2</sup> )<br>2302.150 (2x2x1,5 mm <sup>2</sup> )<br>2302.250 (2x2x2,5 mm <sup>2</sup> ) |
| fire resistance classification | : FB 30/60                                                                                                                                                 |

**TESTS****Test requirements**

KEMA 163-1:2008  
KEMA 163-2:2008  
KEMA 163-4:2008  
NEN-EN 50200:2006

**Test result**

The test results are laid down in DEKRA test file 2169442.13.

**Remarks**

This KEMA-KEUR certificate is based on KEMA-KEUR certificate no. 2169442.05.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : A.A. Mackenbach (SMT)  
Checked by : B. Vos



**Factory locations**

Prysmian Netherlands B.V.  
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Germany