

# WMS-2 HF 19,1 (30X30) RL YE - Shrink sleeve



1086851

<https://www.phoenixcontact.com/gb/products/1086851>

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Shrink sleeve, Roll, yellow, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLLMASTER 300/600, THERMOMARK ROLL X1, THERMOMARK ROLL, THERMOMARK ROLL 2.0, THERMOMARK X1.2, cable diameter range: 9.5 ... 19.1 mm: without print, perforated, mounting type: slide-on, Number of individual labels: 1000, text field height: 30 mm, text field width: 30 mm

## Product description

Due to their ladder-style format, the preassembled shrink sleeves in the WMS-2 HF... product family provide a good overview and facilitate quick use. After the printing and applying process, you have the option of shrinking the marked shrink sleeves by applying heat manually and thus fixing them on the cable/wire.

## Your advantages

- Permanent and captive identification of single-core wires, wires, cables, pneumatic hoses, and other cylindrical objects
- Ladder style design: For a good overview and to facilitate quick use, the sleeves are preassembled in cut lengths: 15 mm, 30 mm, or 60 mm
- As an option, the sleeves can be shrunk by applying heat manually to fix the sleeve in position
- High diameter coverage with a shrink ratio of 2:1
- Widely used and proven worldwide in the railway industry

## Commercial data

Item number	1086851
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG2216
Product key	BG2216
GTIN	4055626881058
Weight per piece (including packing)	1,701.5 g
Weight per piece (excluding packing)	1,701.1 g
Customs tariff number	39173200
Country of origin	DK

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## Technical data

### Notes

Material information	<p>The specified minimum wire diameter of the shrink sleeve refers to its use as a marking material and does not guarantee any insulation characteristics once shrunk.</p> <p>Depending on the processed material batch, as well as the storage and processing conditions, the maximum insertable wire diameter may be reduced.</p>
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### Product properties

Product type	Shrink sleeve
Area of application	Railway industry
Type	Shrink sleeve

### Marking

Number of individual labels	1000
Number of individual labels per row	2
Printing	without print
Identification technology	Thermal transfer for rolls

### Dimensions

Width	30 mm
Length	30 mm

### External dimensions

Outside diameter	9.5 mm ... 19.1 mm
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### Text field

Text field width	30 mm
Text field height	30 mm

### Material specifications

RoHS compliant	yes
Color	yellow (RAL 1018)
Material	Polyolefine
Base element material	polyolefine
Shrink rate	2:1
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Components	halogen-free

### Cable/line

External cable diameter	9.5 mm ... 19.1 mm
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## Environmental and real-life conditions

Test for substances that would hinder coating with paint or varnish

Result	Test passed
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UV resistance

Specification	ISO 4892-2:2013-03 (following)
Result	Test passed
Test duration	96 h

Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-1):2011-07 DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropyl [CAS No. 67-63-0]	Test passed

Testing in a condensation changing climate in the presence of sulfur dioxide

Specification	DIN 50018:2013-05
Result	Test passed
Climate level	AHT 1.0 S
Cycles	2

Salt spray test

Specification	DIN EN 60068-2-11:2000-02
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-30 °C ... 105 °C
Recommended storage conditions	23 °C/50 % relative humidity. Storage in a dry and dark place in the original packaging is recommended.
Recommended ambient temperature (storage/transport)	23 °C
Recommended humidity (storage/transport)	50 %
Shelf life	3 years

## Standards and regulations

Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
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Standards

Standards/regulations	EN 45545-2
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## Mounting

Mounting type	slide-on
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## Classifications

### ECLASS

ECLASS-11.0	27281102
ECLASS-12.0	27281102
ECLASS-13.0	27281102

### ETIM

ETIM 9.0	EC001530
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### UNSPSC

UNSPSC 21.0	39131500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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