

WMTB HF-HP (40X12)R - Cable marker



1523619

<https://www.phoenixcontact.com/gb/products/1523619>

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Product description

The preassembled wire/cable markers from the WMTB HF-HP ... product family consist of the highly flexible material polyolefin that adapts to the bending of the wire or cable.

The flame-retardant material has very good tensile strength and is attached to the wire or cable with cable ties through the fastening eyelets.

Your advantages

- The WMTB HF-HP ... wire and cable marking is used for the identification and bundling of wires and cables indoors and outdoors
- The highly flexible material adapts to the conductors and cables
- When combined with the right ink ribbon, the marking is highly resistant to solvents and mechanical influences
- The markers are made of a halogen-free material
- Railroad approval EN 45545-2 Class HL 3 R22-R23

Commercial data

Item number	1523619
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG2311
Product key	BG2311
GTIN	4063151990121
Weight per piece (including packing)	1,190 g
Weight per piece (excluding packing)	1,190 g
Country of origin	DK

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Technical data

Product properties

Product type	Conductor marking
Area of application	Railway industry
Type	Roll

Marking

Number of individual labels	1000
Identification technology	Thermal transfer for rolls

Dimensions

Width	12 mm
Length	40 mm

Text field

Text field width	40 mm
Text field height	12 mm

Material specifications

Color	white (RAL 9010)
Material	Polyolefine
Base element material	polyolefine
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

Cable/line

External cable diameter	≥ 6.00 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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Test for substances that would hinder coating with paint or varnish

Result	Test passed
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Scratch test for the determining scratch resistance

Specification	DIN EN ISO 1518-1:2019-10 (following)
Requirements	≥ 5 N
Result	Test passed

Tesafilm test

Specification	DIN EN ISO 2409:2013 (following)
Result	Test passed

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UV resistance

Specification	ISO 4892-2:2013-03 (following)
Result	Test passed
Test duration	96 h
Specification	IEC 60068-2-2:2007-07
Result	Test passed
Duration	96 h
Temperature for testing	105 °C

Temperature resistance

Specification	ANSI/UL 969-2018:03 (following)
Test duration	240 h
Rating 125 °C (150 °C)	Test passed

Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-01):2020-03
	DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropyl [CAS No. 67-63-0]	Test passed
n-Hexane [CAS No. 110-54-3]	Test passed
Water + Petroleum ether [CAS No. 64742-82-1]	Test passed
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Specification	ISO 175:2010 (following)
Test duration	168 h
Sodium hydroxide 0.1 mol/l [CAS No. 1310-73-2]	Test passed
Ethanol (99 %) [CAS No. 64-17-5]	Test passed
Acetone (99 %) [CAS No. 67-64-1]	Test passed
Diesel [CAS No. 68476-34-6]	Test passed
IRM 901	Test passed
IRM 902	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

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Salt spray test

Specification	DIN EN 60068-2-11:2000-02
Result	Test passed
Test duration	96 h

Ambient conditions

Ambient temperature (operation)	-55 °C ... 105 °C
Recommended ambient temperature (storage/transport)	10 °C ... 25 °C
Recommended humidity (storage/transport)	45 % ... 55 % (Storage in a dry and dark place in the original packaging is recommended)
Shelf life	2 years

Standards and regulations

Standards

Standards/regulations	EN 45545-2
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Mounting

Mounting type	Assembly with cable ties
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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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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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