

# MM-WML 5 (24X10)R C1 WH/BK - Cable marker



1116196

<https://www.phoenixcontact.com/us/products/1116196>

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Cable marker, Roll, Mixed color, unmarked, can be labeled with: THERMOMARK GO, cable diameter range: 2 ... 5 mm, mounting type: adhesive, cable diameter:  $\leq 5$  mm, Number of individual labels: 235, text field height: 9.5 mm, text field width: 22 mm

## Product description

MM-WML... vinyl polymer self-adhesive labels are available as prepunched material for wire marking.

## Your advantages

- High-quality and solvent-resistant marking solution for industrial applications that is created by means of thermal transfer printing
- The pre-punched geometry enables easy and convenient use
- Easy and efficient material cartridge system: Includes both the material to be printed and the corresponding ink ribbon
- No visible difference between retrospective marking and existing markings created with a desktop roll printer
- The transparent protective foil is wound over the marking and provides permanent protection against contamination and abrasion
- The wrap-around labels do not add bulk, which means that the cable can still be drawn through cable ducts, for example
- The material is cUL certified
- Thanks to the innovative material composition, each label can be printed which results in zero wastage

## Commercial data

Item number	1116196
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BG23
Product key	BG221E
GTIN	4063151039899
Weight per piece (including packing)	82.7 g
Weight per piece (excluding packing)	70 g
Customs tariff number	96121010
Country of origin	CN

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## Technical data

### Product properties

Product type	Conductor marker
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### Marking

Number of individual labels	235
Number of individual labels per row	1
Identification technology	Thermal transfer

### Dimensions

Width	24 mm
Height	9.53 mm
Depth	0.1 mm

### Text field

Text field width	22 mm
Text field height	9.5 mm

### Material specifications

Foil strength	89 µm
Adhesive strength	23 µm
Adhesive	Acrylic
Color	multicolored (RAL -)
	white (RAL 9010)
	black (RAL 9005)
Material	Vinyl polymer
Base element material	Vinyl polymer
Components	Free from silicone and cadmium

### Cable/line

External cable diameter	≤ 5.00 mm
	2 mm ... 5 mm

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Recommended ambient temperature (storage/transport)	21 °C
Recommended humidity (storage/transport)	50 % (Storage in a dry and dark place in the original packaging is recommended)

#### Test for substances that would hinder coating with paint or varnish

Testing for paint wetting impairment substances (LABS-conformity)	VW PV 3.10.7:2005-02
Result	Test passed

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## UV resistance

Specification	DIN EN ISO 4892-2:2021-11 (following)
Result	Test passed
Test duration	96 h
Procedure	Artificial irradiation.

## Wipe resistance of inscriptions

Specification	DIN EN 61010-1 (VDE 0411-1):2011-07 DIN EN 62208 (VDE 0660-511):2012-06 (in parts)
Isopropanol (99%) [67-63-0]	Test passed
n-Hexane [CAS No. 110-54-3]	Test passed
Water + Petroleum ether [CAS No. 64742-82-1]	Test passed

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

Specification	DIN EN ISO 22479:2022-08
Result	Test passed
Procedure	Method B
Cycles	2

## Salt spray test

Specification	DIN EN IEC 60068-2-11 (VDE 0468-2-11):2022-10
Result	Test passed

## Standards and regulations

Wipe resistance	DIN EN 61010-1 (VDE 0411-1)
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## Mounting

Mounting type	adhesive
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1116196>



**cULus Recognized**  
Approval ID: MH48542

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## Classifications

### ECLASS

ECLASS-13.0	27281102
ECLASS-15.0	27281102

### ETIM

ETIM 10.0	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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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	5.429 kg CO2e
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