



# CMX

## METAL DETECTABLE CABLE MARKER

- Metal detectable cable marker for food industry
- Easy mounted on the cable with detectable cable ties
- Printed in Partex marking machine MK10 or EOS. Also available pre-printed as a customized marker

## General information

### Design

CMX is a flat cable marker with pre-punched holes for secure mounting using detectable cable ties.

These cable markers are made from a TPU compound designed for optimal performance with metal and x-ray detectors. They meet food contact compliance standards set by EU and FDA. Offering hydrolysis resistance and micro organism resistance.

CMX is designed for use in the food industry and other industries requiring detection through metal detectors or X-ray equipment.

The profile can either be ordered as customized pre-printed markers or as an profile for own printing on Partex MK10 or EOS thermal transfer printers.

## Technical specification

### Material

Polyether based TPU

### Temperature range

-25°C to +105°C

### Storage

+10°C to +25°C and 45-55% Rh

### Color

Blue

### Ribbon

CMX-RB-BLACK

### Flammability standard

Flame resistant according to UL-94-V0.

### Other standards

**FDA "Food & Drug" 21 CFR -**  
GRAS "generally accepted as safe"

Regulation (EU) No 10/2011  
Plastics intended to come into  
contact with food.

**AP 89 1 - European Resolution**  
Pigments used for coloration

## Product and order information

Profile				
Article number	Information	Marker width mm	Marker length mm	Pcs/roll
CMX-DET-060-012-BE	Metal detectable cable marker	12	60	1000
CMX-DET-075-015-BE	Metal detectable cable marker	15	75	1000
CMX-DET-075-025-BE	Metal detectable cable marker	25	75	500

## Physical values

Proberities	Test method	Typical value
Stress at 20 % strain	DIN 53504	12 MPa
Stress at 100 % elongation	DIN 53504	16 MPa
Stress at 300% elongation	DIN 53504	34 MPa
Density	DIN 53479	1,52 g/cm <sup>3</sup>
Tensile Strength	DIN 53504	36 MPa - Using standardized test specimen
Elongation @ break	DIN 53504	450 %
Charpy notched impact strength, -30°C	DIN EN ISO 179	No break
Charpy notched impact strength, 23°C	DIN EN ISO 179	No break
Tensile Strength after storage in water at 80°C for 42 days	DIN 53504	20MPa
Compression set at room temperature, 24h	DIN EN ISO 815	30%
Compression set at 70°C, 24h	DIN EN ISO 815	50 %
Tear Strength	DIN 53515	110 N/mm
Abrasion resistance	DIN 53516	30mm <sup>3</sup>
Shorehardness	DIN 53505	Shore D 55