



Barcode Cable Labels

SECURITY/DESTRUCTIBLE/SPECIALTY LABEL LINE

Make it easy on yourself with easy-to-mark Barcode Cable Labels from Metalcraft. This product simplifies the task of marking cables, hoses, tubing, etc. by providing subsurface printing on one end with the clear part of the label wrapping around the pre-imaged information to provide additional protection.

The polypropylene construction allows the label to conform to a tight radius without unwinding. The .002" thick adhesive provides excellent adhesion to hard-to-adhere-to plastic surfaces. Metalcraft's digital subsurface printing allows for optimal clarity of detailed design and protection against solvents, caustics, acids and mild abrasion while eliminating the need for laminating.

Material and Design Specifications

- 0.002" (0.051 mm) thick clear polypropylene
- Overall dimensions - various sizes available
- 0.002" (0.051 mm) thick low surface energy, pressure-sensitive adhesive
- Features digital printing for complex details/logos
- Serialized/unserialized numbers and barcodes with human readable numbers

Technical Specifications

- All alphanumeric barcodes are digitally printed with human-readable equivalent to guarantee no skips in sequence
- Code 39 with 2.7 to 9.4 characters per inch (CPI) is standard
- Other barcode symbologies include Code 128, I 2 of 5, 2D DataMatrix and QR Code. OCR characters and CPIs are also available

Key Features

- Subsurface printing protects against mild to moderate solvents, caustics, acids and mild abrasion while eliminating need for a laminate
- Polypropylene construction allows the label to conform to a tight radius without unwinding
- Clear part of label wraps around pre-imaged information for additional protection
- Digital printing process ensures barcode readability as well as crisp, clean company logos

Applications

- Asset Tracking
- Warranty Control
- Security/Anti-theft

Environmental Specifications

- Minimum Application Temperature: +50 °F (10 °C)
- Service Range Temperature: -40 °F to +250 °F (-40 °C to +121 °C)
- Heat Resistance: 250 °F (+121 °C) for up to 1 hour
- UV Resistance: Up to 6 months of resistance outdoors
- Chemical Resistance: Resists various oils, hydraulic fluids and moderate to extreme solvents and cleaning solutions. Avoid exposure to acetone.

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

Label Adhesion Test Summary: This rating measures label adhesion after being exposed to chemicals listed below for a 2-hour soak and a 24-hour soak.

Test Conditions	2-hour soak	24-hour soak
Water	NE	NE
Glass Cleaner	NE	NE
Bathroom Cleaner	NE	AS
Alcohol	NE	AS
Acetone	AD	AS
Sodium Hydroxide	NE	NE
Nitric Acid	NE	NE

Key: NE - No Effect, AD - Adhesive Discolored, AS - Adhesive Softened

Barcode Readability Test Summary: This rating measures barcode readability after being exposed to chemicals listed below for a 2-hour soak and a 24-hour soak.

Test Conditions	2-hour soak	24-hour soak
Water	NE	NE
Glass Cleaner	NE	NE
Bathroom Cleaner	NE	NE
Alcohol	NE	RR
Acetone	RR	RR
Sodium Hydroxide	NE	NE
Nitric Acid	NE	AS

Key: NE - No Effect, RR - Readability Reduced, AS - Adhesive Softened

Temperature Test Summary:

Barcode Cable Labels are able to withstand intermittent heat exposure to 250 °F (121.2 °C).

Installation Instructions

1. Clean the surface using Isopropyl alcohol, alcohol pad or equivalent solvent to ensure surface is free from dirt, dust, oil and misc. debris that may affect adhesion.
2. Handle the tag by edges, peel release liner from back ensuring not to touch the adhesive.
3. Place the tag in desired tagging location and firmly apply even the tag for 5 seconds.
4. Do not disturb the newly mounted tag for at least 72 hours to ensure proper adhesive sealing.

Industry Compliance



intertek

