

TECHNICAL DATA SHEET

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Issue: 3

Date: Nov' 2008

CM-SCE CABLE MARKER

DESCRIPTION:	Extruded radiation cross-linked flame retarded polyolefin sheet, formed into punched organized cable markers.
USE:	Identification of cables and wire bundles by computer-based printing onto markers. Markers are attached using cable ties. Suitable for many applications, including military and aerospace applications. Print permanence is improved when product is permatished.
PRINT METHOD & RIBBON:	Dot Matrix. Epson LQ590 printer with Tyco Electronics TMS-SYSTEM-SIX-RIBBON-A AM6310 printer with Tyco Electronics 1982BK04-RIBBON Laser. LMS6000, LMS9000 or other approved Nd:YAG laser marking system
FORMAT	Size ¼", and ½" 6 holes (6H), and 4 holes (4H)
SERVICE TEMPERATURE:	-55°C to +135°C (-67°F to +275°F).
HEAT AGEING:	No cracking and print legible after 168 hours at 175°C (347°F).
HEAT SHOCK:	No cracking, dripping or flowing and print legible after 4 hours at 250°C (482°F).
COLOUR:	White or yellow. Other colours available on request.
TENSILE STRENGTH:	10.3MPa minimum (ASTM D638).
ULTIMATE ELONGATION:	200% minimum (ASTM D638).
MOLD GROWTH:	Rating 1 maximum (ASTM G21).

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**CORROSIVE EFFECT
(COPPER MIRROR):**

Non corrosive (16 hours at 175°C (347°F), ASTM D2671 Procedure A).

PRINT PERMANENCE:

Print legible after 50 rubs (SAE AS81531, 4.6.2).

Print legible after 50 strokes (MIL-STD-202F, method 215J).

FLUID RESISTANCE:

THREAT	TEST	EFFECT
JP-8 aircraft fuel	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
Skydrol 500 B4	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
MIL-PRF-5606 hydraulic fluid	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
MIL-PRF-7808 lubricating oil	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
SAE-AS-8243 anti-icing fluid	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
Aviation gasoline (100/130)	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible
5% salt water	24 hours at 23°C (73°F); SAE AS81531 4.6.2 (20 rubs)	Print legible

Note: see Tyco Electronics specification RW 2513 for full CM-SCE performance & dimensional details.

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