

TECHNICAL DATA SHEET

Document number: TTDS-021

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).

Page 1 of 2

Business locations:

 N America: + 1 650 361 3860 (West Coast)
 France: + 33 (0) 4 76 09 96 96 (Labels)
 Germany: + 49 (0) 6074 8908 0
 UK: + 44 (0) 1495 244 000 (Labels)
 Japan: + 81 (0) 44 900 5102

 N America: + 1 401 751 6505 (East Coast)
 France: + 33 (0) 1 34 20 21 22 (Other products)
 UK: + 44 (0) 1793 528171 (Other products)
 Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.

TECHNICAL DATA SHEET

Document number: TTDS-021

Issue: 3

Date: Nov' 2008

CM-SCE CABLE MARKER

**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.

Page 2 of 2

Business locations:

☎ N America: + 1 650 361 3860 (West Coast)
 ☎ France: + 33 (0) 4 76 09 96 96 (Labels)
 ☎ Germany: + 49 (0) 6074 8908 0
 ☎ UK: + 44 (0) 1495 244 000 (Labels)
 ☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)
 ☎ France: + 33 (0) 1 34 20 21 22 (Other products)
 ☎ UK: + 44 (0) 1793 528171 (Other products)
 ☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.