

Doc. No: TTDS-236 Issue 1

TECHNICAL DATASHEET

CM-NMX

CM-NMX Light-Weight Military Grade Tie-On Cable Marker

Label material	Flame resistant meta aramid/PET multilayer sheet.	
Thickness:	0.28mm nominal	
Print system	Thermal Transfer Printable Recommended system T312M printer with 1330-3300 ribbon Alternate system: TE3124 printer with 1330-3300 ribbon	
Print performance	Print legible after 50 rubs min.	RW2531 (In accordance with SAE-AS-5942)
	Print legible after 50 strokes min.	RW2531 (in accordance with MIL-STD-202)
Tear strength	25N/mm min.	RW2531
Flammability	ATB 15 seconds max. AEB 15mm max.	RW2531 (in accordance with ASTM D 568)
Thermal Properties:		
Thermal Ageing 168hrs at 175°C	No dripping flowing or cracking Print legible after 50 rubs min.	RW2531 Print test in accordance with SAE-AS-5942
Thermal endurance 1000hrs at 135°C	No dripping flowing or cracking Print legible after 50 rubs min.	RW2531 Print test in accordance with SAE-AS-5942
Low temperature flexibility 4hrs at -55°C	No cracking	RW2531

Author: M Priddle Print date: 20-Aug-10 June 2010: Page: 1 of 2

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Environmental:

Water absorption (24hrs at 23°C) 5% maximum RW2531

(in accordance with ASTM D 570)

Weatherability (30 days) Print legible RW2531 (in accordance with ASTM G154-06)

Humidity resistance Print legible RW2531

(30 days at 38°C, 95% RH)

Chemical resistance:

Fluid immersion 24hrs at 23°C

JP-8

Aviation gasoline (100/130) Hydraulic fluid (MIL PRF 5606)

Lubricating Oil (MIL PRF 7808)

IRM 903 Oil

Water

Salt water (5%)

Anti-icing fluid (SAE-AS-8243)

Dip test (5 cycles)

IPA

10% sulphuric acid10% sodium hydroxide

Mineral spirits

Print legible after 20 rubs minimum

Print legible after 20 rubs minimum

RW2531

RW2531

Print test in accordance with SAE-AS-5942

Print test in accordance with SAE-AS-5942

CM-NMX Meets the requirements of DMS 2325 type I Code C

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