

# TECHNICAL DATASHEET

## CM-NMX

---

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

---

<b>Label material</b>	Flame resistant meta aramid/PET multilayer sheet.	
<b>Thickness:</b>	0.28mm nominal	
<b>Print system</b>	Thermal Transfer Printable Recommended system T312M printer with 1330-3300 ribbon Alternate system: TE3124 printer with 1330-3300 ribbon	
<b>Print performance</b>	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)
<b>Tear strength</b>	25N/mm min.	RW2531
<b>Flammability</b>	ATB 15 seconds max.	RW2531
	AEB 15mm max.	(in accordance with ASTM D 568)
<b>Thermal Properties:</b>		
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

Doc. No:  
TTDS-236 Issue 1

# TECHNICAL DATASHEET

## CM-NMX

### 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 (30 days at 38°C, 95% RH)	Print legible	RW2531

### Chemical resistance:

Fluid immersion 24hrs at 23°C

JP-8		
Aviation gasoline (100/130)		
Hydraulic fluid (MIL PRF 5606)		
Lubricating Oil (MIL PRF 7808)	Print legible after 20 rubs minimum	RW2531
IRM 903 Oil		Print test in accordance with SAE-AS-5942
Water		
Salt water (5%)		
Anti-icing fluid (SAE-AS-8243)		

Dip test (5 cycles)

IPA		
10% sulphuric acid	Print legible after 20 rubs minimum	RW2531
10% sodium hydroxide		Print test in accordance with SAE-AS-5942
Mineral spirits		

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

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