

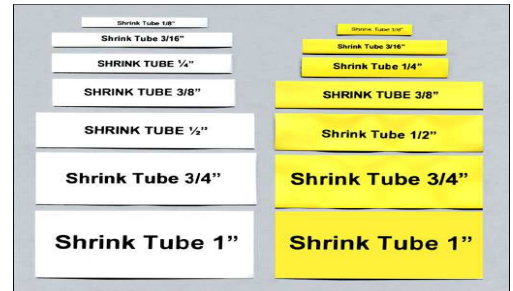
CYG-MT(RO)(2X)(3X) Fluid resistant Identification Marker Tubing

CYG-MT(RO)(2X)(3X) markers are used to identify wires and cables where exposure to organic fluids, especially oils. Our this product markers are designed to operate in these conditions at elevated temperatures for extended periods of time, making them ideal in aerospace, rail and construction industries.

UL recognized:E180908

Features and benefits:

- ◆ Resistance to organic fluids, common fuels, ubricants and solvents
- ◆ Wide range of sizes for several wire and bundle diameters.
- ◆ Formulated for use in aerospace, rail and construction equipment
- ◆ Dot matrix and thermal transfer printable-both print technologies meet all specifications and approval listed
- ◆ Standard color is white and yellow, other color upon special request.



Technical Data:

Item	Test Method	Typical Data
Min Shrink Temperature		°C135°C
Operating Temperature range		-55°C-135°C
Radial Shrinking Ratio		2:1,3:1
Tensile Strength	SAE-AMS-DTL-23053	≥10.3Mpa
Elongation at Break	SAE-AMS-DTL-23053	≥200%
Low Temperature Flexibility	SAE-AMS-DTL-23053-4.6.7 -25±1°C , 4h	-55°C , 4h No cracking.ο
Heat Shock	SAE-AMS-DTL-23053-4.6.8 250±3°C , 4h	No cracking, flowing or, dripping
Aging in circulating air oven	SAE-AMS-DTL-23053-4.6.9 175±2°C , 168h	No cracking
ensile Strength after Aging	SAE-AMS-DTL-23053-4.6.13 ASTM D638,23±2°C	≥6.9Mpa
Elongation at Break after Aging	SAE-AMS-DTL-23053-4.6.13 ASTM D638,23±2°C	≥100%
Color Stability	SAE-AMS-DTL-23053-4.6.15 175±2°C , 24h	Pass
Dielectric Strength	SAE-AMS-DTL-23053-4.6.13 ASTM D2671,23±2°C	≥19.7kV/mm
Volume Resistivity	SAE-AMS-DTL-23053-4.6.13 ASTM D876,500VDC,1min	≥10 ¹⁴ Ω·cm

Flammability	SAE-AMS-DTL-23053-4.6.14 ASTM D2671 UL224	Self-extinguishing within one minute and no more than 25% of indicator flag burned or charred. No dripping, flowing of large size VW-1
Fluid Resistance	SAE-AMS-DTL-23053-4.6.11	No visual damage
Specification of printing		
Printing word Stability	SAE AS81531 4.6.2	Scrub away 50 times. The word is still visible.
Fluid Resistance	MIL-STD-202G Method 215K	Isopropyl Alcohol /Mineral Spirits (10 rubs (x3)
		Terpene Defluxer 10 rubs (x3)
		H2O/PGME Monoethanolamine 10 rubs (x3)

Dimensions:2:1

Size	As supplied (mm)		After recovery (mm)	Packing in continuous form(M/Reel)	Packing in ladder form(PCS/Reel)
	Inside Diameter	Wall thickness	Inside Diameter		
φ2.4	≥2.4	0.15±0.05	≤1.17	30	2000
φ3.2	≥3.2	0.15±0.05	≤1.58	30	2000
φ4.8	≥4.8	0.15±0.05	≤2.36	30	2000
φ6.4	≥6.4	0.15±0.05	≤3.18	30	1500
φ9.5	≥9.5	0.20±0.05	≤4.75	30	1500
φ12.7	≥12.7	0.20±0.05	≤6.35	30	500
φ19.1	≥19.1	0.20±0.05	≤9.53	30	500
φ25.4	≥25.4	0.20±0.05	≤12.7	30	500
φ38.1	≥38.1	0.20±0.05	≤19.05	30	500
φ50.8	≥50.8	0.25±0.05	≤25.4	30	250

3:1

Size	As supplied (mm)		After recovery (mm)	Packing in continuous form(M/Reel)	Packing in ladder form(PCS/Reel)
	Inside Diameter	Wall thickness	Inside diameter		
φ2.4	≥2.4	0.20±0.05	≤0.79	30	2000/PCS
φ3.2	≥3.2	0.20±0.05	≤1.07	30	2000/PCS
φ4.8	≥4.8	0.20±0.05	≤1.57	30	2000/PCS
φ6.4	≥6.4	0.20±0.05	≤2.11	30	1500/PCS
φ9.5	≥9.5	0.20±0.05	≤3.18	30	1500/PCS
φ12.7	≥12.7	0.20±0.05	≤4.22	30	500/PCS
φ19.1	≥19.1	0.30±0.06	≤6.35	30	500/PCS
φ25.4	≥25.4	0.30±0.06	≤8.46	30	500/PCS
φ38.1	≥38.1	0.30±0.06	≤12.7	30	500/PCS
φ50.8	≥50.8	0.30±0.06	≤16.9	30	250/PCS

Ordering information:

- ◆ Standard color: White, Yellow.
- ◆ Special size and color available upon request.