

CYG-MT(HX)(2X)(3X) Military grade Identification Tubing

CYG-MT(HX)(2X)(3X) marker tubing are designed to meet the wire and cable marking needs of manufacturers with high performance requirements. Made from durable, flame retardant, radiation cross-linked heat shrinkable polyolefin.



Features and benefits:

UL recognized No:E180908

Technical Data:

Item	Test Method	Typical Data
Min Shrink Temperature		°C 85°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. .
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 D876,300V DC,1mm	≥10 ¹⁴ Ω·cm
Flammability	SAE-AMS-DTL-23053-4.6.14 ASTM D2671	Self-extinguishing, within 25% of VWF1, no charring or large size charred. No
	UL224	
Fluid Resistance	SAE-AMS-DTL-23053-4.6.11	No visual damage
Specification of printing		
Stability word	SAE AS81531 4.6.2	Scrub away 50 times. The word is till visual.
Fluid Resistance	MIL-STD-202G Method 215K	Isopropyl Alcohol /Mineral Spirits (10 Parts (x3)

		Ternane Defluxer 10 tubs (x3)
		H ₂ O/PGME Monoethanolamine 10 tubs (x3)



Dimensions:2:1

Size	As supplied (mm)		After recovery (mm)	Packing form (M/Reel)	Packing (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

Size	As supplied (mm)		After recovery (mm)	Packing form (M/Reel)	Packing (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.