



## MTVLA

# Military Standard Heat Shrinkable Cable Identification Tags



## Description

**MTVLA**-military grade marker tags are made by means of bombardment and cross-linking of the environmentally friendly polyolefin with high energy electron beams. Marker tags are non-adhesive that can be used to identify EMU for high-speed rails, subways, submarines and aerospace. Marker tags are attached on large cables and wire bundles with cable ties and keep permanent identification. The printed characters are amazingly abrasion resistant, even if washing agent or military purpose fuel oil corrosion happens, the color code soundness still meets American military standard SAE-AS 81531 and MIL-STD-202F/215J and keeps permanent identification.

## Features

- Military standard materials, ideal for aerospace, tank and submarines identifying purposes
- Side entry Marker tags to big size cables and wire bundles retrofit and repair capability, without broken circuit and run down the machines.
- Easy installation: only standard cable tie-wraps are needed to install marker tags. No extra steps required
- High temperature resistance, rated temp. 135°C
- High flame retardant, VW-1
- ROHS compliant
- Permanent identification, No melting at high temperature, no brittle in low temperature
- Computer-printable, any characters and logo are easy to design.



## Rated Temperature

- Continuous operating temperature: -55°C~135°C/-67°F~+275°F
- Max. storage and transportation temp.: ≤+50°C/+122°F

## Standards

- AMS-DTL-23053/5, Compatible UL224
- Color code soundness: SAE-AS 81531 and MIL-STD-202F/215J

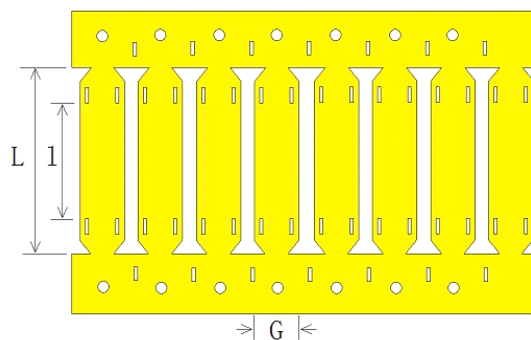
## Technical Performance

Performance			Indicators	Test Method
Typical properties	Unit	States		
Tensile Strength	Mpa	Unaged	≥10.3	ASTM G 154,MIL-DTL-23053E ISO 37,500mm/min 175°C,168h,ISO 188
		Heat aged/ After fluids/UV aged	≥6.9	
Elongation at break	%	Unaged	≥200	
		Heat aged/ After fluid	≥100	
Secant Modulus	Mpa	Unaged	< 173	ASTM D 882
Voltage Withstand	V	Unaged / After aged	2500V , 60S	IEC 243,ASTM G 154
			Breakdown	
Dielectric Strength	MV/m	Before aged	≥19.7	175°C,168h,ISO 188
		Heat aged/ After fluid/ UV	≥15.8	



		aged		
Volume Resistivity	$\Omega \cdot \text{cm}$	Unaged	$\geq 10^{14}$	IEC 93
Dielectric constant	-	Unaged	$\leq 3.1$	ASTM 150
Water Absorption	-	Unaged	$\leq 0.5$	ASTM 570, 23°C, 24h
Bare Copper Corrosion	-	Unaged	No corrosion	23°C, Rh 95±5%, 24h 175°C, 16h
Heat Shock	-	Unaged		
Cold Flexibility	-	Unaged	No tracks, no drops	225°C, 4h
Flammability	-	Unaged	No cracks	-55°C, 1h
Smoke Density	-	Unaged	VW-1	IEC 60332-1-3 Ed. 1.0 b:2004
Toxicity Index	-	Unaged	-	DIN 5510-2

## Structure



## Dimensions



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TEL : +86-512-66386707/66386808/66386909  
FAX : +86-512-66386908

Order description	Width G(mm)	L Length(mm)	Printed Characters		Cable OD(mm)
			Height G	Length I	
MT-VLA-10.4-45/4-	10.4	45	10.4	25	5.08 ~ 12.7
MT-VLA-10.4-53/4-	10.4	53	10.4	33	5.08 ~ 12.7
MT-VLA-10.4-64/4-	10.4	64	10.4	44	5.08 ~ 12.7
MT-VLA-10.4-76/6-	10.4	76	10.4	56	5.08 ~ 12.7
MT-VLA-10.4-90/6-	10.4	90	10.4	70	5.08 ~ 12.7
MT-VLA-15.0-45/4-	15.0	45	15.0	25	12.7 ~ 19.1
MT-VLA-15.0-53/4-	15.0	53	15.0	33	12.7 ~ 19.1
MT-VLA-15.0-64/4-	15.0	64	15.0	44	12.7 ~ 19.1
MT-VLA-15.0-76/6-	15.0	76	15.0	56	12.7 ~ 19.1
MT-VLA-15.0-90/6-	15.0	90	15.0	70	12.7 ~ 19.1
MT-VLA-20.3-45/4-	20.3	45	20.3	25	19.1 ~ 25.4
MT-VLA-20.3-53/4-	20.3	53	20.3	33	19.1 ~ 25.4
MT-VLA-20.3-64/4-	20.3	64	20.3	44	19.1 ~ 25.4
MT-VLA-20.3-76/6-	20.3	76	20.3	56	19.1 ~ 25.4
MT-VLA-20.3-90/6-	20.3	90	20.3	70	19.1 ~ 25.4
MT-VLA-25.4-45/4-	25.4	45	25.4	25	>25.4
MT-VLA-25.4-53/4-	25.4	53	25.4	33	>25.4
MT-VLA-25.4-64/4-	25.4	64	25.4	44	>25.4



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MT-VLA-25.4-76/6-	25.4	76	25.4	56	>25.4
MT-VLA-25.4-90/6-	25.4	90	25.4	70	>25.4