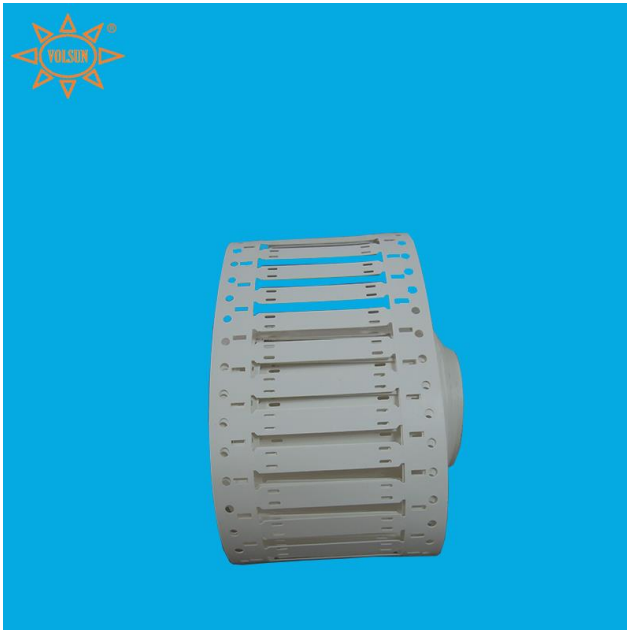




MTVLU

Halogen Free, Environmentally Friendly Cable Identification Tags



Description

MTVLU-Halogen free, environmentally friendly, marker tags are made by means of bombardment and cross-linking of the environmentally friendly polyolefin with high energy electron beams. Marker tags are attached on large cables and wire bundles with cable ties to meet environment protection and economical identification needs in electronics, communications, electric power industries.

Features

- Halogen free materials, ideal for identifying purposes in electronics/electrical power, communications, architectural industries
- Not necessary to disconnect the electrical return circuit when installing, dismantling, or maintenance
- Using standard cable ties, no extra work required, easy to handle
- Temperature resistance, rated temperature, 125°C
- High flame resistance, VW-1
- RoHS compliant, meets SONY SS-00259
- Permanent identification, not melting in high temp, not turning fragile in low temp, resistant to scrape, rub, abrasion
- Computer-printable, any character and logo are easy to design.



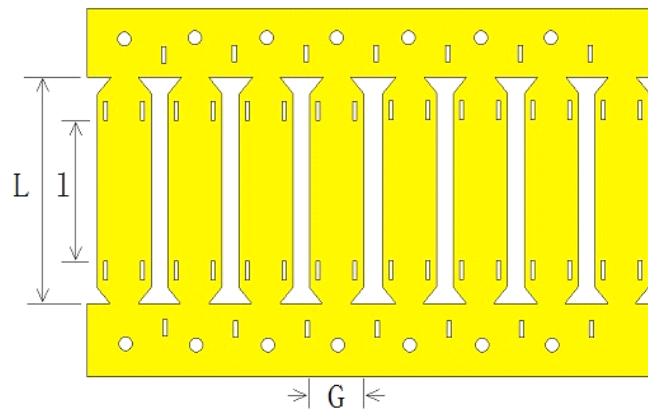
Rated Temperature

- Materials Standards: UL224, CAN/CSA C22.2
- Color code soundness: SAE-AS 81531 and MIL-STD-202F/215J

Standards

- Material standards: ASTM D 2671/DIN5510-2
- British/French smoke toxicity standards: BS 6853/NF F 16-101
- Color code soundness: SAE-AS 81531 and MIL-STD-202G/215K

Structure



Dimensions

Order description	Width G (mm)	L Length (mm)	Printed Characters		Cable OD (mm)
			Height G	Length I	
MT-VLU-10.4-45/4-	10.4	45	10.4	25	5.08 ~ 12.7



MT-VLU-10.4-53/4-	10.4	53	10.4	33	5.08 ~ 12.7
MT-VLU-10.4-64/4-	10.4	64	10.4	44	5.08 ~ 12.7
MT-VLU-10.4-76/6-	10.4	76	10.4	56	5.08 ~ 12.7
MT-VLU-10.4-90/6-	10.4	90	10.4	70	5.08 ~ 12.7
MT-VLU-15.0-45/4-	15.0	45	15.0	25	12.7 ~ 19.1
MT-VLU-15.0-53/4-	15.0	53	15.0	33	12.7 ~ 19.1
MT-VLU-15.0-64/4-	15.0	64	15.0	44	12.7 ~ 19.1
MT-VLU-15.0-76/6-	15.0	76	15.0	56	12.7 ~ 19.1
MT-VLU-15.0-90/6-	15.0	90	15.0	70	12.7 ~ 19.1
MT-VLU-20.3-45/4-	20.3	45	20.3	25	19.1 ~ 25.4
MT-VLU-20.3-53/4-	20.3	53	20.3	33	19.1 ~ 25.4
MT-VLU-20.3-64/4-	20.3	64	20.3	44	19.1 ~ 25.4
MT-VLU-20.3-76/6-	20.3	76	20.3	56	19.1 ~ 25.4
MT-VLU-20.3-90/6-	20.3	90	20.3	70	19.1 ~ 25.4
MT-VLU-25.4-45/4-	25.4	45	25.4	25	≥25.4
MT-VLU-25.4-53/4-	25.4	53	25.4	33	≥25.4
MT-VLU-25.4-64/4-	25.4	64	25.4	44	≥25.4
MT-VLU-25.4-76/6-	25.4	76	25.4	56	≥25.4
MT-VLU-25.4-90/6-	25.4	90	25.4	70	≥25.4

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, No breakdown in 60 sec.	IEC 243,ASTM G 154
Dielectric Strength	MV/m	Before aged	≥19.7	175°C,168h,ISO 188
		Heat aged/ After fluid/ UV aged	≥15.8	
Volume Resistivity	Ω.cm	Unaged	≥10 ¹⁴	IEC 93
Dielectric constant	-	Unaged	-	ASTM 150
Water Absorption	-	Unaged	≤1.0	ASTM 570,23°C,24h
Bare Copper Corrosion	-	Unaged	No corrosion	23°C,Rh 95±5%,24h 175°C,16h
Heat Shock	-	Unaged	No cracks, flowing,	Wind to the specified



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			dripping	mandrel, 225°C, 4h
Cold Flexibility	-	Unaged	No cracks	Wind to the specified mandrel, -30°C, 1h
Flammability	-	Unaged	VW-1	IEC 60332-1-3 Ed.1.0 b:2004
Smoke Density	-	Unaged	-	DIN 5510-2
Toxicity Index	-	Unaged	-	BS 6853:1999