Doc. Number: TTDS-244
Issue: 2
Date: April 2012

TECHNICAL DATASHEET

WM-SCE

Wrap around Cable marker

WM-SCE Wrap around marker is a thin, flexible, radiation cross-linked polyolefin heat shrinkable Cable marker with a hot melt adhesive on the reverse side for fixing into place.
The design of the product makes it ideal for cable marking in post-termination applications and for retrofit jobs.
The marker is supplied on spools and is printed using the approved printer systems listed below and cut to the desired length either manually or with the printers' cutter perforator, if fitted. The product has an operating temperature of -40 to 135°C

Material	The marker is fabricated from irradiated, thermally stabilised and flame retarded modified polyolefin compound with a hot melt adhesive coating on one side.	
Dimensions	Width: 48.3mm (1.9 inch) Thickness: 0.56mm (0.022 inch) – Uninstalled Spool length: 30.5m (100 feet)	
Print System	Thermal transfer printable	See document 411-121005 – "Customer printer ribbon matrix", for current recommended printer / ribbon systems
Mark Adherence	Legible after 20 rubs	RW-2532 Clause 5.9.1 (In accordance with SAE-AS 5942)
Solvent Resistance	Legible after 30 brushes	RW-2532 Clause 5.9.2 (In accordance with MIL-STD-202G, method 215K)
Fluid Resistance		24hr Immersion @ 23°C RW-2532 Clause 5.17
Skydrol 500 B4	Legible, Bond strength 22.0 N/25mm minimum	
Hydraulic Fluid (MIL PRF 83282)	Legible, Bond strength 22.0 N/25mm minimum	
Lubricating Oil (MIL PRF 7808)	Legible, Bond strength 22.0 N/25mm minimum	
Salt water (5% solution)	Legible, Bond strength 22.0 N/25mm minimum	
Anti-icing fluid (SAE AS 8243)	Legible, Bond strength 22.0 N/25mm minimum	
Isopropyl Alcohol	Legible, Bond strength 22.0 N/25mm minimum	
Diesel	Legible, Bond strength 22.0 N/25mm minimum	
Bond Strength	30.0 N/25mm minimum	RW-2532 Clause 5.4

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Thermal Properties		
Heat Shock 240min at 250°C	Mandrel bend: No dripping flowing or cracking, Legible	RW-2532 Clause 5.7
Heat Ageing 168hrs at 175°C	No dripping flowing or cracking, Legible Bond strength 30.0 N/mm minimum	RW-2532 Clause 5.8
Low Temperature Flex 240min at -55°C	No cracking	RW-2532 Clause 5.6
Electrical Properties		
Dielectric Strength	19.7 kV/mm minimum	RW-2532 Clause 5.10
Volume Resistivity	10^{12} Ω cm minimum	RW-2532 Clause 5.11
Other Properties		
Flammability	Self Extinguishing	RW-2532 Clause 5.14 (FED STD 228 Method 5221)
Copper Corrosion: 16 hours at 175°C	Non corrosive	RW-2532 Clause 5.12 & RW-2532 Clause 5.13
Water Absorption:	1.0% maximum	RW-2532 Clause 5.16

FOR FULL PRODUCT PEFROMANCE DETAILS SEE TE CONNECTIVITY PRODUCT SPECIFICATION RW-2532 WM-SCE.

Shelf Life when stored in its original packaging in a dry environment is 3 years for the tape and 5 years for the WM-SCE.

For installation instructions refer to document 411-121004 – WM-SCE Installation guide

Note: Some insulation materials contain additives that migrate to the surface over time. Some types of neoprene insulation will discolour the marker and some PVC compounds can cause loss of mark permanence and adhesion. Users are advised to independently evaluate the suitability of WM-SCE on cables insulated with either neoprene or PVC. Contact TE Connectivity for assistance and information about alternatives for wire identification.

Product is compliant to EU RoHS Directive 2002/95/EC. This compliance information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For the latest compliance status, visit the TE Connectivity RoHS Customer Support Center - www.tycoelectronics.com/customersupport/rohssupportcenter

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