



TMS-CT

Military Grade Continuous Tube

HEAT SHRINK IDENTIFICATION SYSTEM

Technical Datasheet

TTDS-268 Revision 4 - April 2020

TMS-CT Military Grade, Heat Shrink Identification Marker Sleeving for the identification of wires and cables.

Made from durable, flame retarded, radiation cross linked heat shrinkable polyolefin. TMS-CT is a thin wall, light weight, fast recovery 3:1 shrink ratio sleeve*, allowing the customer to cover a wide range of cable diameters

Suitable for a wide variety of applications including, aerospace, military, industrial, transport and energy. Printed marker sleeves meet the requirements of AS 5942 and MIL 202 Method 215 when used as a complete system, as recommended by TE Connectivity. Refer to TE document 411-121005 IDENTIFICATION PRINTER PRODUCT RIBBON MATRIX for the recommended printer/product/ribbon combinations.

TMS-CT meets the material requirements of SAE-AMS-DTL-23053/5 Class 1.

TMS-CT Heat Shrink Identification Marker Sleeving is available as part of a complete identification system. The system comprises specific printers, thermal transfer ribbons and WINTOTAL software.

*except 1-1/2 and 2 inch TMS-CT which is 2:1

TMS-CT MILITARY GRADE

HEAT SHRINK CABLE IDENTIFICATION SYSTEM

Features

- Self-extinguishing, non-flame propagating.
- Resistant to key Military and Aerospace fluids (defined by RW-2511).
- Military grade performance.
- Can be laser marked for superior performance.
- Pre-termination Cable Identification.
- Sleeve diameters from 2.4mm to 50.8mm (3/32 to 2inch).
- TMS-CT 3:1 Shrink ratio (except 38.1 and 50.8mm which are 2:1).
- More open profile for easier use.

Temperature Rating

- -55°C to 135°C (-67°F to 275°F)

Industry



Product Compliance

TMS-CT fully complies with 2011/65/EU RoHS II directive, and Regulation (EC) number 1907/2006 (REACH)

Further information and a downloadable declaration covering RoHS and REACH compliance can be found at the TE Product Compliance Support Centre:

<http://www.te.com/usa-en/utilities/product-compliance.html>

Shelf Life

- Refer to TE document 408-121006 Cable Identification Shelf Life Document

Specifications / Approvals

TE Connectivity Standard

RW-2511 Specification for TMS-CT products.

Rail

EN45545-2, Railway applications - Fire protection on railway vehicles, Part 2: Requirements for fire behaviour of materials and components
Fire Hazard Classification 1, 2 and 3, in accordance with requirement set R24.

NFPA 130 Standard for Fixed Guideway Transit and Passenger Rail Systems, Fire protection requirements, Interior Fire Propagation Resistance.

Federal Railroad Administration, DOT, Appendix B to Part 238, Test Methods and Performance Criteria for the Flammability and Smoke Emission Characteristics of Materials used in Passenger Cars and Locomotive Cabs.

SHAZAINENSHI, Japan Railway Rolling Stock & Machinery Association 2003 Classification 'Flame Retardant' Serial number 2015-163K.

Military

SAE-AMS-23053/5 Insulation Sleeving, Electrical, Heat Shrinkable, Polyolefin, Semi-Rigid, Crosslinked.

- TMS-CT Class 1 Material performance

Industrial

CSA Standard C22.2 No 198.1 Class Number 9032-01
INSULATING DEVICES AND MATERIALS-Insulating Tubing and Sleeving,
File reference 31929. TMS-CT uses the same tube as TMS-SCE.

UL Certification, Tubing, Extruded Insulating Component
File reference YDPU2.E35586. TMS-CT uses the same tube as TMS-SCE

Where possible, TE have tested product as a finished item, including the print. Operational tests are followed by an assessment of mark adherence to validate fit form and function. Further details can be found in TE standard RW-2511.



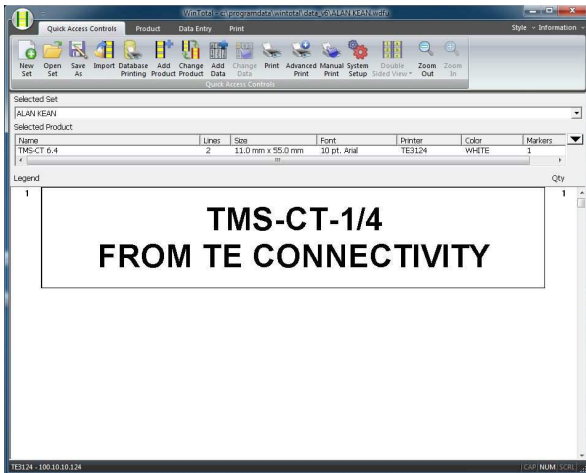


Printer Information

Print quality and print performance can only be guaranteed when specific TE printer and ribbons are used.

The current list of printers and ribbons can be found in TE document 411-121005 'Identification Printer Product Ribbon Matrix'. This document can be found in 'Access Our Tools':

<http://www.te.com/usa-en/utilities/access-product-tools-and-resources.html>

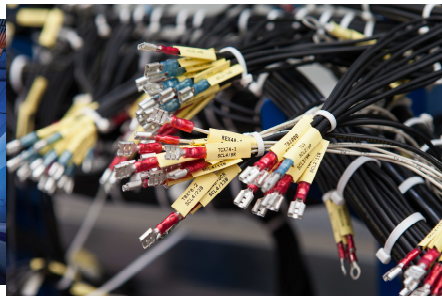
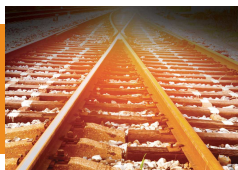


Software

WINTOTAL software, available to download for a 14 day evaluation period from the Identification Printer Software page:

<http://www.te.com/usa-en/products/identification-labeling/printers-software.html>

Contact a TE representative for further information



www.te.com/rail

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