ZHD-SCE
LOW FIRE HAZARD
DIESEL RESISTANT

HEAT SHRINK IDENTIFICATION SYSTEM

Technical Datasheet

TTDS-263 Revision 6 October 2015

ZHD-SCE Zero Halogen, Diesel Resistant, Heat Shrink Identification Marker Sleeves for the identification of wires and cables.

ZHD-SCE is presented as cut sleeves organised in ladder format.

Manufactured using a specially developed radiation cross-linked, zero halogen material. ZHD-SCE is designed specifically to bridge the gap for installations where the highest performance is demanded from an identification sleeve, without compromising on safety or capability.

ZHD-SCE Heat Shrink Identification Marker Sleeves are available as part of a complete identification system. The system comprises specific printers, thermal transfer ribbons and WINTOTAL software.

ZHD-SCE, LOW FIRE HAZARD, DIESEL RESISTANT

HEAT SHRINK CABLE IDENTIFICATION SYSTEM

Features

- Zero Halogen
- Low Toxic Fumes
- Non-flame propagating
- Resistant to key rail and industrial fluids including diesel (defined by RW-2536)
- Sleeve diameters from 2.4mm to 38.1mm
- Shrink ratio 2:1

Temperature Rating

- Operating Temperature Range -55°C to 125°C (-67°F to 257°F)

Applications

- Pre-termination Cable Identification
- Suitable for locations where there is a fire risk to people or equipment
- Suitable for installations that require outstanding fluid resistance, especially from diesel, from a zero halogen identification sleeve
- Rail, Mass transit, Aerospace, Marine and Heavy Industrial

Design For Environment

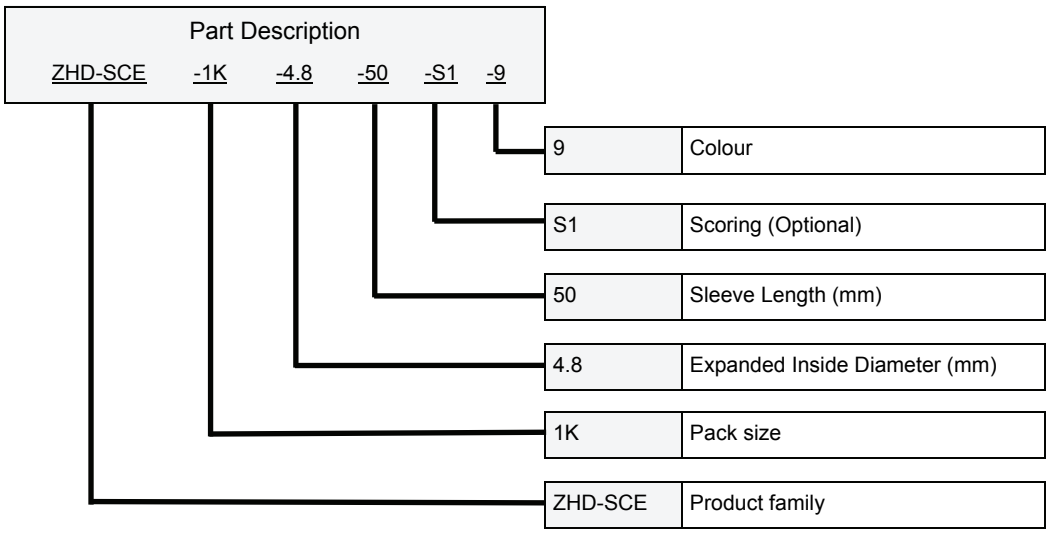
- No Halogens, Sulphur, Nitrogen, Phosphorus and Cadmium sources above trace level. The flame retardant used in this product does not contain melamine cyanurate
- Further information and a downloadable declaration covering RoHS and REACH compliance can be found at the 'TE Product Compliance Support Centre':

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

Specifications / Approvals

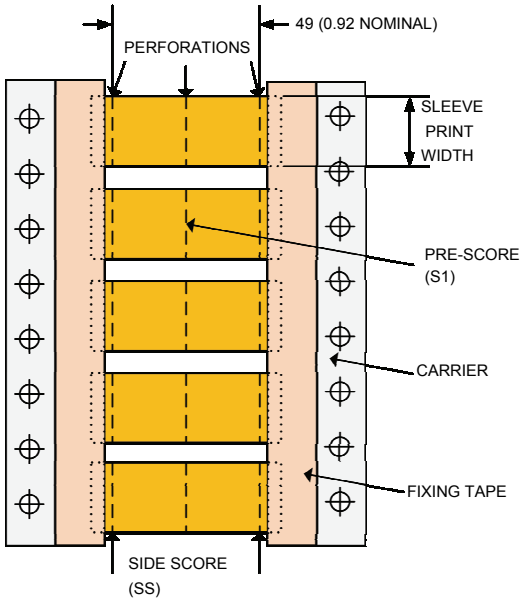
TE Connectivity Standard	**RW-2536**
Rail Standards	**EN45545-2**, Hazard Classifications 1 and 2, In accordance with requirement set R22/R23 **BS 6853** Code of practice for fire precautions in the design and construction of passenger carrying trains. Interior minor use of materials of mass 100g to 500g vehicle category II **EN 50343** Rolling stock applications - Rolling stock - Rules for installation of cabling - Appendix H

Where possible, TE has 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-2536.



Options

Pre-scoring	Perforated score to produce multiple marker sleeves from each ZHD-SCE sleeve.			
	Not scored	Code	Blank	
	Side scored	Code	SS	
	Sided scored with one pre-score	Code	SS1	
	1 Pre-score	Code	S1	
	2 Pre-scores	Code	S2	
Packaging sizes	<blank>	250 piece packs available for all sizes		
	1K	1000 piece reels available for all sizes up to 25.4		
	2.5K	2500 piece reels available for sizes 4.8 up to 25.4		
	5K	5000 piece reels available for sizes 2.4 and 3.2		
Colours		Yellow	White	
	Code	4	9	
		Red	Green	Blue	Orange
	Code	2	5	6	3



Specify product name, pack size (leave blank for 250), sleeve size (in mm), sleeve length (always 50), pre-score (leave blank if not required) and colour

Dimensions in mm (inches)

Ordering Information

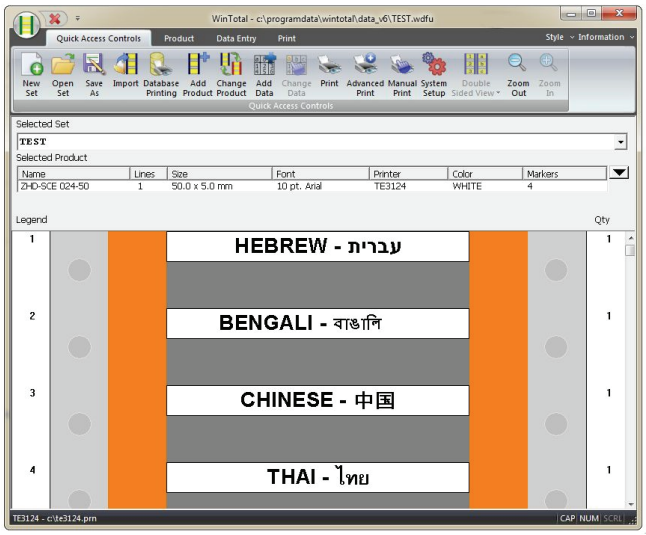
Ordering description	Inside diameter				Recommended cable diameter use range	
	As supplied (minimum)		After recovery (Maximum)			
	mm	inches	mm	inches	mm	inches
ZHD-SCE - <pack size> - 2.4 - 50 - <score> - <colour>	2.4	0.094	1.19	0.047	1.27 to 1.90	0.050 to 0.075
ZHD-SCE - <pack size> - 3.2 - 50 - <score> - <colour>	3.2	0.126	1.58	0.060	1.77 to 2.66	0.069 to 0.105
ZHD-SCE - <pack size> - 4.8 - 50 - <score> - <colour>	4.8	0.189	2.36	0.090	2.54 to 4.06	0.100 to 0.160
ZHD-SCE - <pack size> - 6.4 - 50 - <score> - <colour>	6.4	0.250	3.18	0.125	3.81 to 5.46	0.150 to 0.215
ZHD-SCE - <pack size> - 9.5 - 50 - <score> - <colour>	9.5	0.375	4.75	0.187	5.59 to 8.12	0.220 to 0.320
ZHD-SCE - <pack size> - 12.7 - 50 - <score> - <colour>	12.7	0.500	6.35	0.250	6.99 to 10.79	0.275 to 0.425
ZHD-SCE - <pack size> - 19.0 - 50 - <score> - <colour>	19.0	0.730	9.53	0.375	10.16 to 16.25	0.400 to 0.640
ZHD-SCE - <pack size> - 25.4 - 50 - <score> - <colour>	25.4	1.000	12.70	0.500	14.29 to 21.59	0.563 to 0.850
ZHD-SCE - 38.1 - 50 - <score> - <colour>	38.1	1.500	19.05	0.750	20.95 to 33.02	0.825 to 1.300

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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Телефон: 8 (812) 309-75-97 (многоканальный)
Факс: 8 (812) 320-03-32
Электронная почта: ocean@oceanchips.ru
Web: http://oceanchips.ru/
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, д. 2, корп. 4, лит. А