



TECHNICAL DATA SHEET

Document number: TTDS-017
Issue: 6
Date: March 2015

D-SCE Diesel Resistant Heat Shrink Identification Markers

MATERIAL DESCRIPTION:	Thin wall, thermally-stabilised radiation cross-linked polyolefin heat-shrinkable tubing, assembled as organized cut sleeves in a "ladder" configuration. 3:1 shrink ratio.
USE:	Identification of wires and cables by computer-based printing onto sleeves. Sleeves can also provide terminal insulation and strain relief. Suitable for applications where exposure to organic fluids, especially oils, is required for long periods at elevated temperatures. Especially suited to rail rolling stock and aerospace applications. Printed sleeve meets the requirements of specification NF F 00608 Categories A & H and BS EN50343 Appendix H and also meets the material and performance requirements of SAE-AMS-DTL-23053/6 Class 1.
PRINT METHOD/RIBBON:	Refer to TE 'Identification TT Printer Product Ribbon Matrix' Document 411-121005.
SERVICE TEMPERATURE:	-75°C to +135°C (-103°F to +275°F).
MINIMUM RECOVERY TEMPERATURE:	135°C (275°F).
MAXIMUM STORAGE TEMPERATURE:	40°C (104°F).
COLORS:	Yellow. Other colors available on request.
HEAT AGEING:	168 hours at 150°C (302°F) Tensile Strength 15MPa minimum; Ultimate Elongation 300% minimum Print legible AMS AS5942 - 20 rubs.
HEAT SHOCK:	4 hours at 215°C (419°F) No cracking, dripping or flowing, Print legible; AMS AS5942 - 20 rubs.
HUMIDITY RESISTANCE:	168 hours at 85°C (185°F) and 85% RH, Print legible AMS AS5942 - 20 rubs.
UV RESISTANCE:	250 hours (ASTM G154: 8 hours UVB at 1.35 W/M ² /nm followed by 4 hours condensation at 50°C): Print Legible AMS AS5942 20 rubs

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- FUNGUS RESISTANCE:** Rating 3 maximum (BS EN 60084-1-10 Variant 1).
- FLAMMABILITY:** Burn time 30 seconds maximum (ASTM D2671 Procedure B).
- WATER ABSORPTION:** 2% maximum (BS EN ISO 62 Procedure A).
- DIELECTRIC STRENGTH:** 20MV/m minimum (ASTM D2671)
- PRINT PERMANENCE:** AMS AS5942 Clause 4.1 Adherence, 50 rubs.
MIL-STD-202 Method 215, Solvent Resistance.
NF F 00608 Sleeve Marking Adhesion, Types A and H
BS EN 50343 Appendix H
- FLUID RESISTANCE:** Fluid immersion followed by AMS AS5942 Adherence, 20 rubs:

THREAT	TEST	EFFECT
Diesel fuel (BS 2869 Class A1)	168 hours at 70°C (158°F)	Print legible
IRM 902 Transformer oil (BS 148)	72 hours at 50°C (122°F)	Print legible
JP-8 Aircraft fuel (MIL-T-83133)	24 hours at 24°C (75°F)	Print legible
Aviation gasoline (100/130)	24 hours at 24°C (75°F)	Print legible
Skydrol™ 500 hydraulic fluid	24 hours at 24°C (75°F)	Print legible
MIL-A-8243 Anti-icing fluid	24 hours at 24°C (75°F)	Print legible

See TE Connectivity specification RW-2519 for full D-SCE performance & dimensional details.

Some types of neoprene insulation used in jackets contain additives that can migrate to the surface and discolor the polyolefin D-SCE sleeves. Any discoloration is dependent on the composition of the neoprene, combined with application conditions. Users should independently evaluate the suitability of D-SCE sleeves for applications involving neoprene-jacketed cables.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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