

Heat-shrinkable marker sleeves.

Colour coded for instant identification, good fluid resistance, 3:1 shrink ratio.

TRSA markers are cut and printed heat shrinkable sleeves suitable for identifying wire and cables.

Standard kits, consisting of A-Z or 0-9, are available. Alternatively up to 2 numbers may be printed on each sleeve.

Easily and rapidly installed, TRSA exhibits good resistance to common fluids.

Temperature rating

Operating temperature range:	-55°C to +135°C
Minimum shrink temperature:	+80°C
Minimum full recovery temperature:	+120°C

Ordering information

TRSA product descriptions are built up from a series of codes as follows:

TRSA-colour code/product size code/cut length code/kit code or legend to be printed.

Colour Code

1010 Black	1013 Orange	1016 Blue	1019 White
1011 Brown	1014 Yellow	1017 Violet	1111 Multi colored – only available as CC-KIT
1012 Red	1015 Green	1018 Grey	

Product Size Code

Code	Inside Diameter	Wall Thickness	Standard package
	Expanded as supplied, (min)	Recovered after heating, (max)	
	mm	mm	pieces
A	1.5	0.5	1000
C	3.0	1.0	1000
E	6.0	2.0	1000

Cut Length Code

Code	Cut Length (nom), mm		
	A	C	E
1	5	5	7
2	8	8	11

Kit Codes

Pack quantity (pieces)

AU-KIT	A-Z letters in upper case, available in sizes A,C & E.	26,000 (1000 per letter)
AL-KIT	a – z letters in lower case, available in sizes A,C & E.	26,000 (1000 per letter)
N-KIT	Number 0 – 9, available in sizes A,C & E.	10,000 (1000 per number)
CC-KIT	Ten resistor colors printed with the respective numeric codes, available in sizes C & E only.	10,000 (1000 per number)

Examples of TRSA descriptions

TRSA-1014/C/1/AU-KIT	Kit of upper case letters printed on yellow 3.0/1.0 size sleeves
TRSA-1015/A/1/1	Number 1 printed on green 1.5/0.5 sleeves

Performance

Test	Test method	Test requirement
Heat ageing	ISO 188(168h at 175°C)	Ultimate elongation 150%(min)
Dielectric strength	IEC 243	20MV/m
Flame retardancy	ASTM D876	Duration of burning 30s max
Fluid resistance	24h at 23°C, ISO 37	Tensile strength: 5MPa (min) Ultimate elongation: 200%(min)
	Test fluids	Aircraft fuel to ISO 1817 liquid B Lubricating oil ISO 1817 liquid 101

Users should independently evaluate the suitability of the product for their application.

Tyco Electronics Corporation
300 Constitution Drive
Menlo Park, CA 94025-1164
USA
Tel: (800) 926-2425 (US & Canada)
Tel: +1 (650) 361-3860 (All other countries)

Tyco Electronics UK Ltd.
Faraday Road
Dorcan, Swindon, SN3 5HH
United Kingdom
Tel: +44 1793 528171

Tyco Electronics Raychem K.K.
3816 Noborito, Tama-ku
Kawasaki, Kanagawa 214-8533
Japan
Tel: +81 44 900 5102

Tyco Electronics Singapore Pte Ltd.
Asia Pacific Headquarters
26 Ang Mo Kio, Industrial Park 2
Singapore 569507
Tel: +65 4866 151

All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics Corporation makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Tyco Electronics Corporation's only obligations are those in the Standard Terms and Conditions of Sale for these products and in no case will Tyco Electronics Corporation be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Tyco Electronics Corporation's Specifications are subject to change without notice. In addition, Tyco Electronics Corporation reserves the right to make changes in materials or processing without notification to the Buyer which do not affect compliance with any applicable specification.

For more information about this product visit www.tycoelectronics.com and www.raychem.com