

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

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## 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.**

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