

## NBC-SCE Nuclear, biological, chemical resistant heat-shrinkable wire identification sleeves

Tyco Electronics NBC-SCE is used to identify wire and cables where extreme resistance to cleaning solvents is needed. The markers are suitable for use in wire harness systems requiring high fluid resistance and resistance to the effects of nuclear, biological and chemical agent exposure and decontamination. The markers should be used with an appropriate transparent oversleeve whose ends are sealed with an appropriate epoxy adhesive.

NBC-SCE marker sleeves are suitable for use in environments with temperatures from  $-55^{\circ}\text{C}$  to  $+225^{\circ}\text{C}$  ( $-67^{\circ}\text{F}$  to  $+437^{\circ}\text{F}$ ).

### Features and benefits

- Permanent identification sleeves
- Computer-printable
- 2:1 shrink ratio
- NBC application with the appropriate adhesive and oversleeve



### Temperature rating

|                              |                                                 |                                                 |
|------------------------------|-------------------------------------------------|-------------------------------------------------|
| Operating temperature range  | $-55^{\circ}\text{C}$ to $+225^{\circ}\text{C}$ | $-67^{\circ}\text{F}$ to $+437^{\circ}\text{F}$ |
| Minimum recovery temperature | $+200^{\circ}\text{C}$                          | $+392^{\circ}\text{F}$                          |
| Maximum storage temperature  | $+40^{\circ}\text{C}$                           | $+104^{\circ}\text{F}$                          |

### Specifications/approvals

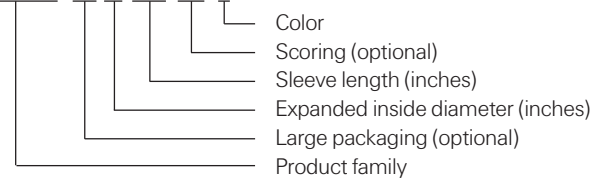
|                  |                         |
|------------------|-------------------------|
| Tyco Electronics | RW 2514                 |
| Military         | SAE AS81531 4.6.2       |
|                  | MIL-STD-202 Method 215J |

### Printer information

|                          |                                       |
|--------------------------|---------------------------------------|
| Tyco Electronics printer | T312M (thermal transfer)              |
| Tyco Electronics ribbon  | TMS-RJS-RIBBON-4HT (thermal transfer) |

### Part numbering system

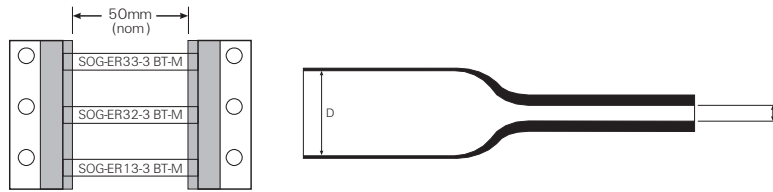
NBC-SCE-1K-<sup>1</sup>/<sub>4</sub>-2.0-S1-9



**OBSOLETE**  
**NOT the LATEST**  
**REVISION**

## NBC-SCE Nuclear, biological, chemical resistant heat-shrinkable wire identification sleeves

### Ordering information



### Available sizes and formats

| Ordering description                    | Inside diameter      |               |                       |               | Recommended use range |               | Recovered wall thickness |               |
|-----------------------------------------|----------------------|---------------|-----------------------|---------------|-----------------------|---------------|--------------------------|---------------|
|                                         | Expanded D (minimum) |               | Recovered d (maximum) |               |                       |               |                          |               |
|                                         | mm                   | <i>inches</i> | mm                    | <i>inches</i> | mm                    | <i>inches</i> | mm                       | <i>inches</i> |
| NBC-SCE-1K- $\frac{1}{8}$ -2.0<color>   | 3.43                 | 0.135         | 1.59                  | 0.062         | 1.75-2.66             | 0.069-0.105   | 0.38 ± 0.08              | 0.015 ± 0.003 |
| NBC-SCE-1K- $\frac{1}{4}$ -2.0<color>   | 6.35                 | 0.250         | 3.18                  | 0.125         | 3.81-5.46             | 0.150-0.215   | 0.38 ± 0.08              | 0.015 ± 0.003 |
| NBC-SCE-1K- $\frac{1}{2}$ -2.0<color>   | 12.70                | 0.500         | 6.35                  | 0.250         | 6.99-10.79            | 0.275-0.425   | 0.38 ± 0.08              | 0.015 ± 0.003 |
| NBC-SCE-1K- $\frac{3}{4}$ -2.0<color>   | 19.05                | 0.750         | 9.53                  | 0.375         | 10.16-16.25           | 0.400-0.640   | 0.38 ± 0.08              | 0.015 ± 0.003 |
| NBC-SCE-1K-1-2.0<color>                 | 25.40                | 1.000         | 12.70                 | 0.500         | 14.70-21.50           | 0.578-0.846   | 0.43 ± 0.10              | 0.017 ± 0.004 |
| NBC-SCE-1K-1- $\frac{1}{2}$ -2.0<color> | 38.10                | 1.500         | 19.05                 | 0.750         | 20.95-33.02           | 0.825-1.300   | 0.43 ± 0.10              | 0.017 ± 0.004 |

Total width as supplied 90.18 mm (3.550 inches) including tape and carrier width.

### Options

|               |                                                                               |                                                     |             |
|---------------|-------------------------------------------------------------------------------|-----------------------------------------------------|-------------|
| Prescoring    | Perforated score to produce multiple marker sleeves from each NBC-SCE sleeve. |                                                     |             |
|               | Number of prescores                                                           | 1 prescore                                          | 2 prescores |
|               | Code                                                                          | S1                                                  | S2          |
|               |                                                                               |                                                     | 3 prescores |
|               |                                                                               |                                                     | S3          |
| Package sizes | Standard                                                                      | 1000 piece packages available for all NBC-SCE sizes |             |
| Colors        | Standard                                                                      | White                                               |             |
|               | Code                                                                          | 9                                                   |             |

Ordering information: Please specify product name, pack size, sleeve size, prescore, format and color.

Ordering example: NBC-SCE-1K- $\frac{1}{8}$ -2.0-9