



### Product Overview

Kemzip is a cable screening product designed to be wrapped around cables requiring EMI/EMC protection. It is especially suitable for retrofitting to products already in production that are suffering from RFI radiation or conducted emission susceptibility problems. UV, ozone and weather resistant, self-extinguishing materials operating over a minimum temperature range of  $-30^{\circ}\text{C}$  to  $+105^{\circ}\text{C}$ .

Kemzip is available in many variants, contact us to discuss your specific application, see below for examples of some of the range.

### Notice

Information supplied in these data sheets is based on independent and laboratory tests which Kemtron believes to be reliable. Kemtron has no control over the design of customer's product which incorporates Kemtron's products, therefore it is the responsibility of the user to determine the suitability for his particular application and we recommend that the user make his own test to determine suitability.

The product described in this data sheet shall be of standard quality, however the products are sold without warranty of fitness for a particular purpose, either expressed or implied, except to the extent expressly stated on Kemtron's invoice, quotation or order acknowledgement. Kemtron does not warrant that products described in this data sheet will be free of conflict with existing or future patents of third parties. All risks of lack of fitness, patent infringement and the like are assumed by the user.

## Technical Specifications

### SH1/63 & SH3/63

Zip-on light weight tubing especially for ribbon cables. Jacket material is laminated to aluminium foil to provide full EMI shielding.

Tinned copper grounding braid is attached to inside overlap for termination

Closing systems: Z, R, F or N (N from 16mm)



### SH/CC

Light weight EMI shielding designed especially for applications where high flexibility is required. Basic material is PVC-GPs with Ni/Cu polyester cloth

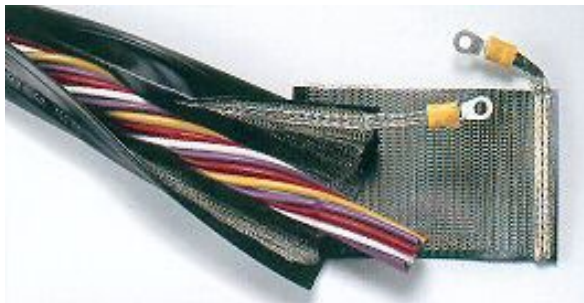
Closing systems: Z, R or F



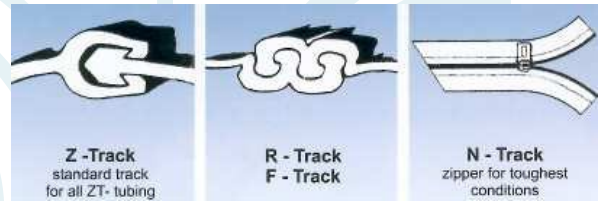
### SHX 2/4

Highly flexible EMI shielding and protection. Knitted wire mesh in 2-ply material with tinned copper braid attached to inside overlap provides seal and solderable termination point.

Closing systems: Z, R, F or N (N from 16mm)



### Example of closing systems types Z, R, F & N :



### Typical attenuation (dB) of Kemzip materials

Freq.	SH1/63	SH3/63	SH/CC	SHX2	SHX4
10 Mhz	106	108	98	71	94
50 Mhz	104	110	94	70	90
100 Mhz	85	87	88	44	63
300 Mhz	102	98	86	45	79
500 Mhz	104	98	90	44	69
1 Ghz	99	104	90	51	76
10 Ghz	103	100	90	38	52
20 Ghz	100	96	85	37	61