



6.2 Confectioned Shrinkage Tube Insulated Sensors Type (XXX-XSH)



Fig. 15: KTY-ESH with Teflon single litz wires

Specification	XXX/XSH XXX = PTC NTC KTY, (see basic sensors) X = E = single shrinkage tube insulated X = D = double shrinkage tube insulated
Construction	Measuring sensor, single or double layer insulated by means of shrinkage tube with fix connected connection line
Temperature sensor	EPTC/ DPTC NTC KTY (also as Pt100 available)
Measuring range	Dependent on the used sensor
Max. operation temperature⁷⁾	175°C 190°C 260°C
Sensor insulation	1) ESH single-layer insulated 2) DSH double-layer insulated
Dimensions⁸⁾	From approx. ø3mm x length from approx. 10mm
Material	Kynar Kynarflex PTFE shrinkage tube
Connection line	Shrinkage tube teflon flat cable shrinkage tube Screened shrinkage tube PTFE single strands
Insulation	Silicon teflon spun glass
Cable section⁹⁾	AWG 20 22 24 26 28 30
Cable length	On customers request
Cable ends	Partly stripped cable collets blank solder plated
Colour code	At PTC according to Tab. 1: on customer's request
Test voltage	Without Riso 500V 1,5kV/1min 2,5kV/1min ¹⁰⁾
Special constructions	Waterproofed construction (IP 66) Screened construction (XXX-DSH-A) High voltage proofed construction (up to 8kV) Ex e certificated construction according to ATEX ¹¹⁾

⁷⁾ Dependent on the used sensor

⁸⁾ Dependent on the used sensor and wire

⁹⁾ section at SL /FSL dependent on type

¹⁰⁾ Only at DSH

¹¹⁾ Not for NTC