

SWT

SolderSleeve Wire Splices

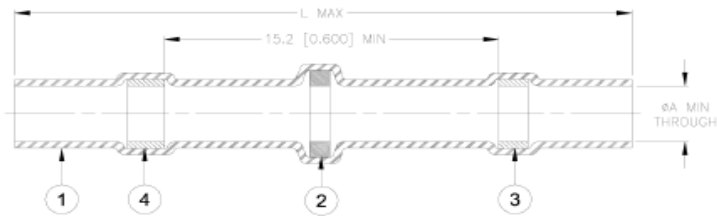
SWT, Polyolefin heat -shrinkable SolderSleeve Wire Splices

Shrink ratio : 3:1
 Operation temperature : -55° to + 125° C
 Melt temperature solderalloy : > 140° C



SWT is designed to splice tin-plated or bare copper stranded wires rated for at least +85 °C. The insulation of the SWT is made of polyolefin tubing with 2 thermoplastic, color coded, adhesive. The rings will melt and flow to seal and encapsulate the inner components, offering an environmental protection. Available in 5 sizes.

SPECIFICATION CONTROL DRAWING



Specifications

Type	Color	Dimensions (mm)		Conductor dimensions (mm)		Selection Guide		Qty: Item
		L max	ØA	ØB min	ØB max	Min. mm ²	Max. mm ²	
SWT - 22	clear	26,0	1,7	0,4	1,7	0,3	0,8	1
SWT - 18	red	42,0	2,7	1,3	2,7	0,8	2,0	1
SWT - 14	blue	42,0	4,5	1,8	4,5	2,0	4,0	1
SWT - 10	yellow	42,0	6,0	2,8	6,0	4,0	6,0	1
SWT - 6	Grey	42,0	7,0	3,2	7,0	6,0	10,0	1

Materials

1. **Insulation sleeve.** Heat-shrinkable, transparant clear, radiation cross-linked modified polyolefin

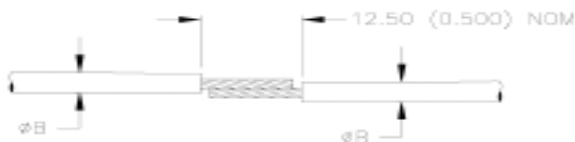
2. **Solder preform with Flux:** Qty: see table (one solder washer shown)

Solder: Type Sn50 Pb32 Cd18

Flux: Flux ROM1 per ANSI / J-STD-004

3&4. **Melttable Rings:** Thermally stabilized thermoplastic. Color: See table

For best results, prepare the wires as shown:



TYPICAL PROPERTIES

	Test	Value	Test method
Physical	Tensile strength	10 N/mm ² min	ASTM D 638
	Ultimate elongation	300 % min	ASTM D 638
	Longitudinal change	-10 % max	ASTM D 2671
Chemical	Fungus resistance	Inert	MIL-I 7444
	After immersion in fluids	Good	MIL-I 23053/4
	Copper mirror corrosion	Non corrosive	ASTM D 2671
Electrical	Dielectric strength	2 kV/mm	ASTM D 2671
	Voltage drop	2 mV max	
	Volume resistivity	< equal length of wire	
	Insulation resistance	1000 megohms	