

PART NR.

See dimensions table

COUNTRY OF ORIGIN:

China

STANDARDS:

REACH and RoHS compliant

Waterproof

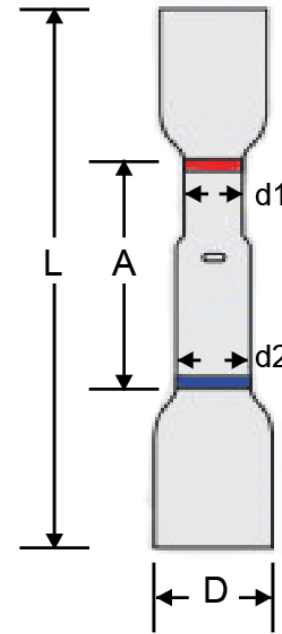
UL listed

CHARACTERISTICS:

- Shrinkage ratio: 3:1
- Excellent conductivity property
- High transparency, High tensile strength
- Excellent stretch and mechanical damage resistance
- High elasticity keeps steady performance
- Water proof and moisture resistance
- Operating temperature: -55~125°C
- Minimum shrink temp.: 180 °C

HEAT SHRINKABLE STEP-DOWN BUTT CONNECTOR

PHOTO / TECHNICAL DRAWING



DIMENSIONS

Wire range	Part nr.	Color code	L	A	D	d1	d2	UL
26~24 to 22~18 AWG 0,25~0,5 to 0,5~1,5 mm ²	SDC 0.2-1.5	white to red	40	19	6,2	1,37	1,7	✓
22~18 to 16~14 AWG 0,5~1,5 to 1,5~2,5 mm ²	SDC 0.5-2.5	red to blue	40	19	8,0	1,7	2,3	✓
16~14 to 12~10 AWG 1,5~2,5 to 4~6 mm ²	SDC 1.5-6.0	blue to yellow	45	21	9,0	2,3	3,4	✓
12~10 to 8 AWG 4~6 to 10 mm ²	SDC 6.0-10	yellow to red	45	21	11,6	3,4	4,5	✓

TECHNICAL SPECIFICATIONS

Terminal: Copper, tin plated
 Insulation: Nylon (PA 66), with adhesive lining
 Operating temperature: -55~125 °C
 Min. shrink temperature: 180 °C
 Shrink ratio: 3:1
 Max. electrical current: 600V

HEAT SHRINKABLE STEP-DOWN BUTT CONNECTOR

Property	Specification Requirement	Test Method	Typical Value
Tensile strength (Room temp.)	Min. 10.4Mpa	UL224	18.5Mpa
Elongation at break (Room temp.)	Min. 200%	UL224	450%
Tensile strength after aging (158°C 168hrs)	Min. 7.3Mpa	UL224	15Mpa
Elongation after aging (158°C 168hrs)	Min. 100%	UL224	220%
Voltage withstand (Un-aged)	Withstand 2.5kV for 1 minute and breakdown	UL224	Pass
Voltage withstand (Aged)	Withstand at least half of un-aged breakdown voltage for 1 minute and breakdown	UL224	Pass
Copper corrosion (158°C 168hrs)	No corrosion of bare copper	UL224	No sign of deg.
Copper stability (158°C 168hrs)	No sign of degradation (min. elongation 100%)	UL224	Pass
Cold bend (-30°C 1hrs)	No crack	UL224	Pass
Maximum secant modulus (2%)	173Mpa	UL224	Pass
Volume resistivity	Min. $10^{14}\Omega\cdot\text{cm}$	UL224	Pass
Heat shock (250°C 4hrs)	No crack	ASTM D2671	Pass
Dielectric strength	>15.8kV/mm	ASTM D2671	>25kV/mm