

HS Dual Seal Shrink Ring Terminal



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°C ~ 125°C
- Minimum shrink temperature: 180°C

Materials

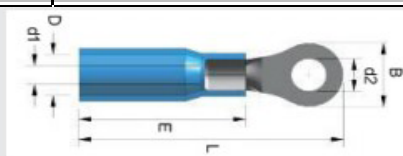
- Insulation: Nylon
- Terminal body: Copper

Application

HS series is the high transparency heat shrinkable tubing made by Nylon, with adhesive lining to protect splices from water and corrosion. It provides strain relief and anti-vibration in rugged environment, and completely insulates and protects electrical connections. The high purity copper part provides excellent conductivity. It offers long duration performance, easy installation, and low installing cost, which is more reliable than conventional crimp terminals.

Technical Data

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 Ω·m	UL224	Pass
Heat shock (250°C 4hrs)	No crack	ASTM D2671	Pass
Dielectric strength	>15.8kV/mm	ASTM D2671	>25kV/mm



Part No.	D	d1	d2	B	E	L	Color	Conductor	Wall of Copper Terminals
HS 1.25-4	4.8	1.6	4.3	8.0	21	28	Red	0.5-1.5mm ² (22-18 AWG)	0.7mm
HS 1.25-5	4.8	1.6	5.3	9.52	21	30			
HS 1.25-6	4.8	1.6	6.5	11.6	21	33			
HS 1.25-8	4.8	1.6	8.5	11.6	21	35			
HS 1.25-10	4.8	1.6	10.5	13.6	21	38	Blue	1.5-2.5mm ² (16-14 AWG)	0.8mm
HS 2-4	5.8	2.2	4.3	8.5	21	28			
HS 2-5	5.8	2.2	5.3	9.5	21	30			
HS 2-6	5.8	2.2	6.5	12	21	33			
HS 2-8	5.8	2.2	8.5	12	21	35			
HS 2-10	5.8	2.2	10.5	13.6	21	38			
HS 2-12	5.8	2.2	12.5	19.2	21	38	Yellow	4-6mm ² (12-10 AWG)	1.0mm
HS 5.5-4	6.8	3.4	4.3	9.5	25	32			
HS 5.5-5	6.8	3.4	5.3	9.5	25	34			
HS 5.5-6	6.8	3.4	6.5	12	25	37			
HS 5.5-8	6.8	3.4	8.5	12	25	39			
HS 5.5-10	6.8	3.4	10.5	15	25	42			
HS 5.5-12	6.8	3.4	12.5	19.2	25	42			

Other sizes are available upon request.

Standard color: Red, Blue, Yellow.