

Wire Connector and Terminator

WR-01W Solder Sleeve Shield Terminators

Introduction

Solder sleeve wire shielding terminators, including cross-linked polyolefin heat shrinkable insulation tube, a fluxed solder preform, meltable adhesive ring and a preinstalled wire lead. One piece transparent design, easy inspection and convenient installation. The heat shrinkable insulation tube provides encapsulation, stress relief, and insulation protection. The fluxed solder preform securely welding the wire, and the hot melt adhesive ring at both ends can provide excellent sealing and waterproof protection. Mainly used for grounding wire welding of cable shielding layers or connection of coaxial cables and wires.

Features

- Operating temperature: -55 to 125°C
- Minimum fully recovery temperature: 115°C
- Solder complete melting temperature: 150 °C
- Shrink ratio: 2:1
- Voltage class: 600V

Dimension

Part No. WR-01W	Tube Dimensions(mm)		Solder Dimensions(mm)		Shield terminators(mm)	
	Inner diameter d (nom.)	Length L ₁	Inner diameter	Width	OD	L ₂
WR-01W-3A	3.0	40	2.8	3.2	2.0	180
WR-01W-5A	5.0	30	4.8	4.2	2.0	180
WR-01W-5B	5.0	21	4.8	3.0	2.0	180
WR-01W-5C	5.0	40	4.8	4.2	2.0	180
WR-01W-7A	7.0	31	7.3	4.2	2.0	180
WR-01W-7B	7.0	20	7.3	3.0	2.0	180
WR-01W-9A	9.0	36.5	9.0	4.5	2.0	180
WR-01W-11A	11.0	34	11.5	4.2	2.0	180
WR-01W-11B	11.0	36.5	11.5	4.2	2.0 </td <td>180</td>	180
WR-01W-14A	14.0	47	14.0	4.5	2.0	180
WR-01W-17A	17.0	56	17.8	6.0	2.0	180

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥14MPa
Ultimate Elongation	ASTM D2671	≥400%
Heat Aging (150°C/168h)	ASTM D2671	
Tensile Strength		≥10MPa
Ultimate Elongation		≥200%
Dielectric Voltage Withstand	AC 2500V, 60s	No breakdown
Heat Aging (150°C/168h)	ASTM D2671	No breakdown, and not less than 50% before aging
Dielectric Voltage Withstand		
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking
Heat shock (200°C/4h)	ASTM D2671	No cracking
Secant modulus 2%	ASTM D2671	≤250MPa
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω·cm

