

Wire Splices and Terminals

WR-01N RoHS Solder Sleeve Wire Splices

Introduction

Solder sleeve discrete wire terminators, including cross-linked polyolefin insulation tube, prefluxed lead-free solder ring, meltable adhesive ring. Used for terminating wires to component terminals, such as tabs, connector pins, and switch terminals. Wire connection, fusion, insulation and waterproofing all completed in one step. One piece transparent design, easy inspection and convenient installation.

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
- Lead-free environmentally friendly solder ring

Dimension

Part No. WR-01N	Tube Dimensions (mm)		Wire Dimensions (mm)			Wire Range		Color
	Inner diameter d (min.)	Length L	B (min.)	B&C (max.)	C (min.)	A.W.G	mm ²	
WR-01N-11	1.7	26	1.0	1.7	0.76	26-24	0.25-0.34	White
WR-01N-12	2.7	40	1.4	2.7	1.2	22-18	0.5-1.0	Red
WR-01N-13	4.7	40	2.3	4.7	2.0	16-14	1.5-2.5	Blue
WR-01N-14	6.0	40	3.7	6.0	3.4	12-10	4.0-6.0	Yellow

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

