

Wire Connector and Terminator

WR-01H High Tensile Solder Sleeve Wire Splices

Introduction

High tensile solder sleeve wire splices, cross-linked polyolefin shrink tubing, adhesive-lined, a fluxed solder preform. Excellent water-proof sealing and high tensile protection of the wire connection parts. Wire connection, fusion, insulation and waterproofing all completed in one step. One piece design, easy 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

Dimension

Part No. WR-01H	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-01H-11	1.7	40	1.0	1.7	0.76	26-24	0.25-0.34	White
WR-01H-12	2.7	40	1.4	2.7	1.2	22-18	0.5-1.0	Red
WR-01H-13	4.7	40	2.3	4.7	2.0	16-14	1.5-2.5	Blue
WR-01H-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

