

Wire Connector and Terminator

WR-02 Heat Shrinkable Crimp Connectors and Terminators

Introduction

Cross-linked polyolefin jacket, adhesive-lined, with built-in crimping connectors or terminals. Easy and fast installation, used to terminate wires safely, or connect one wire to another for fixing and anti-vibration purpose to strengthen durability, stability, and reliability.

Features

- Operating temperature: -55 to 125°C
- Minimum fully recovery temperature: 130°C
- Semi-rigid polyolefin + Dual wall heat shrink tube
- Wear resistance and mechanical damage resistance
- Water sealing, good adhesion to metal, polyethylene, and PVC
- Halogen-free, RoHS compliant

Dimension

Part No.	Wire Range		Dimensions(mm)			Heat Shrink Tube(mm)			Color
	A.W.G	mm ²	d	B	L2	D	A	L1	
WR-02-0.5	26-22	0.2-0.5	2.1	1.3	10	4.1	3.2	26	Yellow/Clear
WR-02-1	22-18	0.5-1.0	3.3	1.7	15	5.9	4.7	36	Red
WR-02-2	16-14	1.5-2.5	4.0	2.4	15	7.1	5.7	36	Blue
WR-02-3	12-10	4-6	5.5	3.5	15	8.0	6.7	42	Yellow
WR-02-3.5	14-12	2.5-4	5.5	4.1	20	7.8	6.5	38	Black
WR-02-8	8	10	7.0	4.8	21	9.5	8.0	42	Yellow

Technical Data

Property	Test Method	Requirement
Tensile Strength	ASTM D2671	≥18MPa
Ultimate Elongation	ASTM D2671	≥200%
Heat Aging (150°C/168h)	ASTM D2671	
Tensile Strength		≥11.5MPa
Ultimate Elongation		≥100%
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		
Copper corrosion (158°C/168h)	ASTM D2671	No corrosion
Low-temperature flexibility (-40°C/4h)	ASTM D2671	No cracking
Heat shock (200°C/4h)	ASTM D2671	No cracking
Secant modulus 2%	ASTM D2671	≤250 MPa
Volume resistivity	ASTM D2671	≥1.0×10 ¹⁴ Ω·cm

