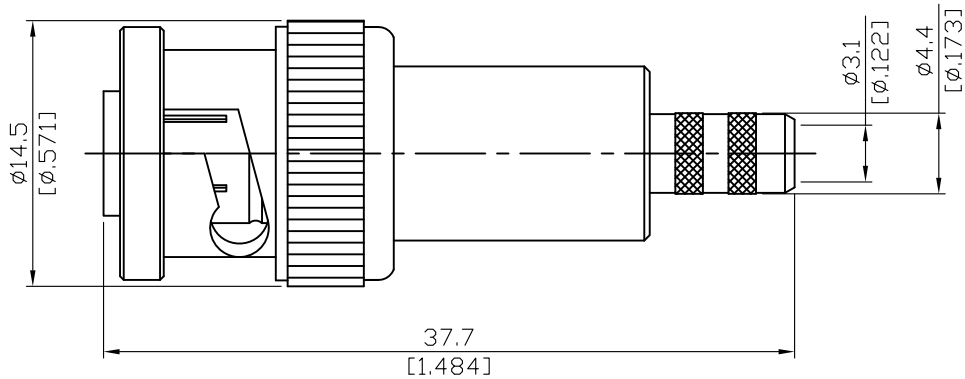


MHV3100-0058

MHV Plug Crimp For RG58; JBY195; LMR195

50Ω



Parts	Material	Plating (Micro-inch)
Coupling Nut	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Body	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Insulator	Teflon	
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Springt	SK5	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Washer	Brass	Tin-Zinc-Copper-Alloy 100 Over Copper 50
Gasket	Silicone	
Contact Pin	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Feuurlle	Copper	Tin-Zinc-Copper-Alloy 100 Over Copper 50

Suitable Cables: RG58; JBY195; JBY195-LSFH; LMR195

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

MHV	MHV3100-0058														
<div style="border: 1px solid black; padding: 2px;">Interface</div> <p>MIL-STD-348B</p>															
<div style="border: 1px solid black; padding: 2px;">Electrical Data</div> <table> <tr> <td>Impedance</td> <td>50Ω</td> </tr> <tr> <td>Frequency range</td> <td>DC to 300 MHz</td> </tr> <tr> <td>Insulation resistance</td> <td>≥ 5000MΩ</td> </tr> <tr> <td>Contact resistance inner conductor</td> <td>≤ 2mΩ</td> </tr> <tr> <td>Contact resistance outer conductor</td> <td>≤ 1mΩ</td> </tr> <tr> <td>Dielectric withstanding voltage (at sea level)</td> <td>5000 V rms</td> </tr> <tr> <td>Working Voltage (at sea level)</td> <td>1600 V rms</td> </tr> </table>		Impedance	50Ω	Frequency range	DC to 300 MHz	Insulation resistance	≥ 5000MΩ	Contact resistance inner conductor	≤ 2mΩ	Contact resistance outer conductor	≤ 1mΩ	Dielectric withstanding voltage (at sea level)	5000 V rms	Working Voltage (at sea level)	1600 V rms
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<div style="border: 1px solid black; padding: 2px;">Mechanical Data</div> <table> <tr> <td>Recommended coupling nut torque</td> <td>0.6 to 2.5 inch lbs</td> </tr> <tr> <td>Coupling nut retention force</td> <td>≥ 101.2 lbs</td> </tr> <tr> <td>Contact captivation-axial</td> <td>≥ 6.1 lbs</td> </tr> <tr> <td>Durability (mating)</td> <td>≥ 500</td> </tr> </table>		Recommended coupling nut torque	0.6 to 2.5 inch lbs	Coupling nut retention force	≥ 101.2 lbs	Contact captivation-axial	≥ 6.1 lbs	Durability (mating)	≥ 500						
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<div style="border: 1px solid black; padding: 2px;">Environmental Data</div> <table> <tr> <td>Temperature range</td> <td>-65°C to +165°C</td> </tr> <tr> <td>Thermal shock</td> <td>MIL-STD-202, Method 107, Condition B</td> </tr> <tr> <td>Moisture resistance</td> <td>MIL-STD-202, Method 106</td> </tr> <tr> <td>Corrosion</td> <td>MIL-STD-202, Method 101, Condition B</td> </tr> <tr> <td>RoHS</td> <td>Compliant</td> </tr> </table>		Temperature range	-65°C to +165°C	Thermal shock	MIL-STD-202, Method 107, Condition B	Moisture resistance	MIL-STD-202, Method 106	Corrosion	MIL-STD-202, Method 101, Condition B	RoHS	Compliant				
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JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

MHV3100-0058	DATE	2019/12/13	REV	A
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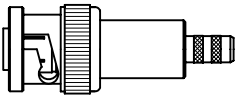


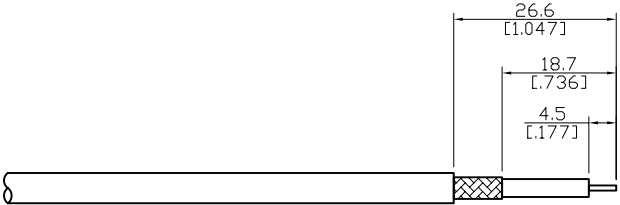
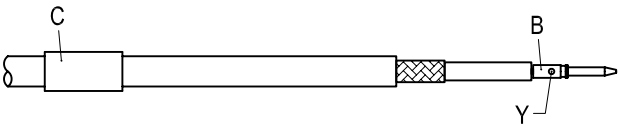
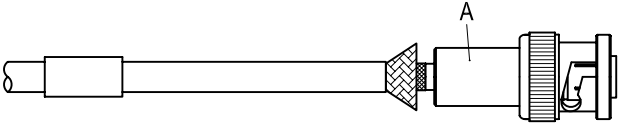
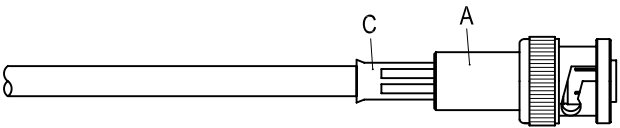
<p>A</p>  <p style="text-align: center;">BODY</p>	<p>B</p>  <p style="text-align: center;">CONTACT PIN</p>	<p>C</p>  <p style="text-align: center;">FERRULE</p>
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DIAGRAM	ASSEMBLY INSTRUCTION
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	<p>Step 1: STRIP AS SHOWN.</p>
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	<p>Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: PUT PIN " B " ON CENTER CONDUCTOR AND SOLDER OR CRIMP IN " Y ". (USE SQUARE 1.6mm/0.063inch SECTION OF INSERT-B IF CRIMPED)</p>
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	<p>Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR " A " IN PLACE.</p>
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	<p>Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 5.5mm/0.217inch HEX SECTION OF INSERT-B)</p>
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This part number complies with RoHS.

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APPROVED	CHECKED	DRAWING
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Albert