



## Connectors for cable applications – general information

Two termination processes are available: crimp or solder

<p><b>Shell</b></p>																						
<p><b>Signal contacts</b></p>	<p><b>Crimp termination</b></p> <ul style="list-style-type: none"> <li>• For wire gauge: AWG 20-24 or 26-28</li> <li>• Plating: 0.76 µm or 0.2 µm Au over Ni</li> </ul>	<p><b>Pre-mounted solder cup contacts</b></p> <ul style="list-style-type: none"> <li>• Plating: 0.76 µm or 0.1 µm Au over Ni</li> </ul>																				
<p><b>Power contacts</b></p>	<p><b>Crimp</b></p> <ul style="list-style-type: none"> <li>• Rating: 10, 20, 30, 40 A</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>0.76 µm or 0.2 µm Au</td> </tr> <tr> <td>Terminating side</td> <td>0.2 µm Au</td> </tr> </table> </li> </ul> <p><b>Solder cup</b></p> <ul style="list-style-type: none"> <li>• Rating: 10, 20, 30, 40 A</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>0.76 µm or 0.2 µm Au</td> </tr> <tr> <td>Terminating side</td> <td>0.2 µm Au or 5 µm Sn</td> </tr> </table> </li> </ul>	Mating side	0.76 µm or 0.2 µm Au	Terminating side	0.2 µm Au	Mating side	0.76 µm or 0.2 µm Au	Terminating side	0.2 µm Au or 5 µm Sn	<p><b>Crimp</b></p> <ul style="list-style-type: none"> <li>• Rating: 10, 20, 30, 40 A</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>0.76 µm or 0.2 µm Au</td> </tr> <tr> <td>Terminating side</td> <td>0.2 µm Au</td> </tr> </table> </li> </ul> <p><b>Solder cup</b></p> <ul style="list-style-type: none"> <li>• Rating: 10, 20, 30, 40 A</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>0.76 µm or 0.2 µm Au</td> </tr> <tr> <td>Terminating side</td> <td>0.2 µm Au or 5 µm Sn</td> </tr> </table> </li> </ul>	Mating side	0.76 µm or 0.2 µm Au	Terminating side	0.2 µm Au	Mating side	0.76 µm or 0.2 µm Au	Terminating side	0.2 µm Au or 5 µm Sn				
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<p><b>Coaxial contacts<sup>1)</sup></b></p>	<p><b>Solder/crimp termination resp. Crimp/crimp termination</b></p> <ul style="list-style-type: none"> <li>• 50 or 75 Ω</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>1.3 µm or 0.2 µm Au inner conductor</td> </tr> <tr> <td></td> <td>0.76 µm or 0.2 µm Au outer ring</td> </tr> <tr> <td>Terminating side</td> <td>1.3 µm or 0.2 µm Au inner conductor</td> </tr> <tr> <td></td> <td>0.2 µm Au or 5 µm Sn outer ring</td> </tr> <tr> <td>Ferrule</td> <td>0.2 µm Au or 5 µm Sn</td> </tr> </table> </li> <li>• Cables: RG 178, 179 ...</li> </ul>	Mating side	1.3 µm or 0.2 µm Au inner conductor		0.76 µm or 0.2 µm Au outer ring	Terminating side	1.3 µm or 0.2 µm Au inner conductor		0.2 µm Au or 5 µm Sn outer ring	Ferrule	0.2 µm Au or 5 µm Sn	<p><b>Solder/crimp termination resp. Crimp/crimp termination</b></p> <ul style="list-style-type: none"> <li>• 50 or 75 Ω</li> <li>• Plating:             <table border="0"> <tr> <td>Mating side</td> <td>1.3 µm or 0.2 µm Au inner conductor</td> </tr> <tr> <td></td> <td>0.76 µm or 0.2 µm Au outer ring</td> </tr> <tr> <td>Terminating side</td> <td>1.3 µm or 0.2 µm Au inner conductor</td> </tr> <tr> <td></td> <td>0.2 µm Au or 5 µm Sn outer ring</td> </tr> <tr> <td>Ferrule</td> <td>0.2 µm Au or 5 µm Sn</td> </tr> </table> </li> <li>• Cables: RG 178, 179 ...</li> </ul>	Mating side	1.3 µm or 0.2 µm Au inner conductor		0.76 µm or 0.2 µm Au outer ring	Terminating side	1.3 µm or 0.2 µm Au inner conductor		0.2 µm Au or 5 µm Sn outer ring	Ferrule	0.2 µm Au or 5 µm Sn
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<p><b>High voltage contacts</b></p>	<p><b>Solder termination</b></p> <ul style="list-style-type: none"> <li>• Plating: 1.3 µm Au over Ni terminating and mating side</li> </ul>	<p><b>Solder termination</b></p> <ul style="list-style-type: none"> <li>• Plating: 1.3 µm Au over Ni terminating and mating side</li> </ul>																				

<sup>1)</sup> Coaxial contacts are provided in two versions:

- Inner conductor soldered and outer part crimped (solder/crimp termination)
- Both inner and outer part crimped (crimp/crimp termination); this version is recommended for medium or large size volume since crimping is faster than soldering.

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