

Tools for crimp termination – D-Sub-M

Identification	Part number	Drawing																																													
<p>Hand crimp tool for signal contacts</p> <p>Die (To be ordered separately)</p>	<p>09 99 000 0501</p> <p>09 99 000 0531</p>	<p>printing</p> <p>USE WITH CONTACTS HARTING 09 67 000 xxxx</p> <table border="1"> <thead> <tr> <th></th> <th colspan="4">Selector</th> </tr> <tr> <th>AWG</th> <th>18</th> <th>20</th> <th>22</th> <th>24</th> <th>26</th> <th>28</th> </tr> </thead> <tbody> <tr> <td>18-22</td> <td>6</td> <td>6</td> <td>5</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>20-24</td> <td>-</td> <td>6</td> <td>6</td> <td>6</td> <td>-</td> <td>-</td> </tr> <tr> <td>22-26</td> <td>-</td> <td>-</td> <td>6</td> <td>6</td> <td>6</td> <td>-</td> </tr> <tr> <td>24-28</td> <td>-</td> <td>-</td> <td>-</td> <td>6</td> <td>6</td> <td>6</td> </tr> </tbody> </table> <p>Wire gauge AWG 18 – 28</p>		Selector				AWG	18	20	22	24	26	28	18-22	6	6	5	-	-	-	20-24	-	6	6	6	-	-	22-26	-	-	6	6	6	-	24-28	-	-	-	6	6	6					
	Selector																																														
AWG	18	20	22	24	26	28																																									
18-22	6	6	5	-	-	-																																									
20-24	-	6	6	6	-	-																																									
22-26	-	-	6	6	6	-																																									
24-28	-	-	-	6	6	6																																									
<p>Hand crimp tool for power contacts</p> <p>Positioner for male and female contacts (To be ordered separately)</p> <p>Positioner for male contacts (To be ordered separately.)</p> <p>Positioner for female contacts (To be ordered separately.)</p>	<p>09 99 000 0509</p> <p>09 99 000 0504</p> <p>09 99 000 0522</p> <p>09 99 000 0521</p>	<table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Gauge</th> <th>Tool setting</th> </tr> </thead> <tbody> <tr> <td>09 69 182 x420</td> <td>AWG 16, 18, 20</td> <td>3 for AWG 16, 2 for AWG 18 and AWG 20</td> </tr> <tr> <td>09 69 282 x420</td> <td>AWG 16, 18, 20</td> <td>3 for AWG 16, 2 for AWG 18 and AWG 20</td> </tr> <tr> <td>09 69 182 x421</td> <td>AWG 12, 14</td> <td>5 for AWG 12 and 4 for AWG 14</td> </tr> <tr> <td>09 69 282 x421</td> <td>AWG 12, 14</td> <td>5 for AWG 12 and 4 for AWG 14</td> </tr> <tr> <td>09 69 182 x422</td> <td>AWG 10, 12</td> <td>7 for AWG 10 and 6 for AWG 12</td> </tr> <tr> <td>09 69 282 x422</td> <td>AWG 10, 12</td> <td>7 for AWG 10 and 6 for AWG 12</td> </tr> <tr> <td>09 69 182 x423</td> <td>AWG 8, 10</td> <td>7 for AWG 8 and 6 for AWG 10</td> </tr> <tr> <td>09 69 282 x423</td> <td>AWG 8, 10</td> <td>7 for AWG 8 and 6 for AWG 10</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Gauge</th> <th>Tool setting</th> </tr> </thead> <tbody> <tr> <td>09 69 282 x821</td> <td>AWG 12, 14</td> <td>5 for AWG 12 and 4 for AWG 14</td> </tr> <tr> <td>09 69 282 x823</td> <td>AWG 8, 10</td> <td>7 for AWG 8 and 6 for AWG 10</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Gauge</th> <th>Tool setting</th> </tr> </thead> <tbody> <tr> <td>09 69 182 x821</td> <td>AWG 12, 14</td> <td>5 for AWG 12 and 4 for AWG 14</td> </tr> <tr> <td>09 69 182 x823</td> <td>AWG 8, 10</td> <td>7 for AWG 8 and 6 for AWG 10</td> </tr> </tbody> </table>	Contact Part No.	Gauge	Tool setting	09 69 182 x420	AWG 16, 18, 20	3 for AWG 16, 2 for AWG 18 and AWG 20	09 69 282 x420	AWG 16, 18, 20	3 for AWG 16, 2 for AWG 18 and AWG 20	09 69 182 x421	AWG 12, 14	5 for AWG 12 and 4 for AWG 14	09 69 282 x421	AWG 12, 14	5 for AWG 12 and 4 for AWG 14	09 69 182 x422	AWG 10, 12	7 for AWG 10 and 6 for AWG 12	09 69 282 x422	AWG 10, 12	7 for AWG 10 and 6 for AWG 12	09 69 182 x423	AWG 8, 10	7 for AWG 8 and 6 for AWG 10	09 69 282 x423	AWG 8, 10	7 for AWG 8 and 6 for AWG 10	Contact Part No.	Gauge	Tool setting	09 69 282 x821	AWG 12, 14	5 for AWG 12 and 4 for AWG 14	09 69 282 x823	AWG 8, 10	7 for AWG 8 and 6 for AWG 10	Contact Part No.	Gauge	Tool setting	09 69 182 x821	AWG 12, 14	5 for AWG 12 and 4 for AWG 14	09 69 182 x823	AWG 8, 10	7 for AWG 8 and 6 for AWG 10
Contact Part No.	Gauge	Tool setting																																													
09 69 182 x420	AWG 16, 18, 20	3 for AWG 16, 2 for AWG 18 and AWG 20																																													
09 69 282 x420	AWG 16, 18, 20	3 for AWG 16, 2 for AWG 18 and AWG 20																																													
09 69 182 x421	AWG 12, 14	5 for AWG 12 and 4 for AWG 14																																													
09 69 282 x421	AWG 12, 14	5 for AWG 12 and 4 for AWG 14																																													
09 69 182 x422	AWG 10, 12	7 for AWG 10 and 6 for AWG 12																																													
09 69 282 x422	AWG 10, 12	7 for AWG 10 and 6 for AWG 12																																													
09 69 182 x423	AWG 8, 10	7 for AWG 8 and 6 for AWG 10																																													
09 69 282 x423	AWG 8, 10	7 for AWG 8 and 6 for AWG 10																																													
Contact Part No.	Gauge	Tool setting																																													
09 69 282 x821	AWG 12, 14	5 for AWG 12 and 4 for AWG 14																																													
09 69 282 x823	AWG 8, 10	7 for AWG 8 and 6 for AWG 10																																													
Contact Part No.	Gauge	Tool setting																																													
09 69 182 x821	AWG 12, 14	5 for AWG 12 and 4 for AWG 14																																													
09 69 182 x823	AWG 8, 10	7 for AWG 8 and 6 for AWG 10																																													
<p>Hand crimp tool for coaxial contacts, solder/crimp version¹⁾</p> <p>Die (To be ordered separately)</p> <p>Die (To be ordered separately)</p> <p>Die (To be ordered separately)</p>	<p>09 99 000 0503</p> <p>09 99 000 0508</p> <p>09 99 000 0515</p> <p>09 99 000 0519</p>	<table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Cavity</th> </tr> </thead> <tbody> <tr> <td>09 69 181 x230</td> <td rowspan="2">B</td> </tr> <tr> <td>09 69 281 x230</td> </tr> <tr> <td>09 69 181 x141</td> <td rowspan="2">C</td> </tr> <tr> <td>09 69 281 x141</td> </tr> <tr> <td>09 69 181 x140</td> <td rowspan="2">B</td> </tr> <tr> <td>09 69 281 x140</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Cavity</th> </tr> </thead> <tbody> <tr> <td>09 69 181 x143</td> <td rowspan="2">A</td> </tr> <tr> <td>09 69 281 x143</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Contact Part No.</th> <th>Cavity</th> </tr> </thead> <tbody> <tr> <td>09 69 181 x233</td> <td rowspan="2">B</td> </tr> <tr> <td>09 69 281 x233</td> </tr> </tbody> </table>	Contact Part No.	Cavity	09 69 181 x230	B	09 69 281 x230	09 69 181 x141	C	09 69 281 x141	09 69 181 x140	B	09 69 281 x140	Contact Part No.	Cavity	09 69 181 x143	A	09 69 281 x143	Contact Part No.	Cavity	09 69 181 x233	B	09 69 281 x233																								
Contact Part No.	Cavity																																														
09 69 181 x230	B																																														
09 69 281 x230																																															
09 69 181 x141	C																																														
09 69 281 x141																																															
09 69 181 x140	B																																														
09 69 281 x140																																															
Contact Part No.	Cavity																																														
09 69 181 x143	A																																														
09 69 281 x143																																															
Contact Part No.	Cavity																																														
09 69 181 x233	B																																														
09 69 281 x233																																															

¹⁾ Only the outer ferrule is crimped (inner conductor is soldered)