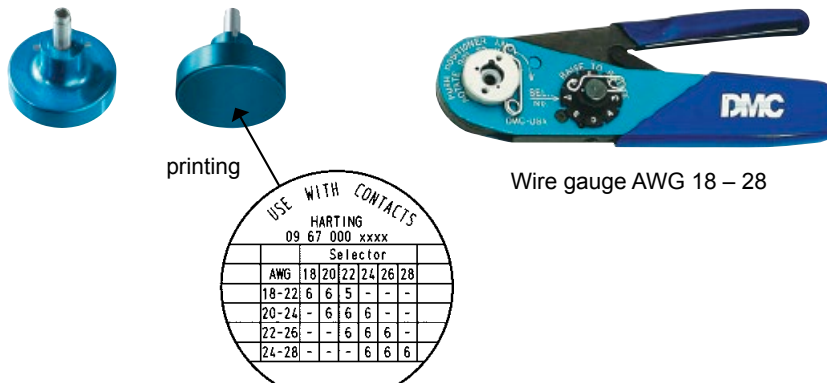


Tools for crimp termination – D-Sub-M

Identification	Part number	Drawing																																										
Hand crimp tool for signal contacts Die (To be ordered separately)	09 99 000 0501 09 99 000 0531	 printing USE WITH CONTACTS HARTING 09 67 000 xxxx <table><tr><th></th><th>Selector</th><th></th><th></th><th></th><th></th><th></th></tr><tr><td>AWG</td><td>18</td><td>20</td><td>22</td><td>24</td><td>26</td><td>28</td></tr><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></table> Wire gauge AWG 18 – 28		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																																						
Hand crimp tool for power contacts Positioner for male and female contacts (To be ordered separately)	09 99 000 0509 09 99 000 0504	 <table><tr><th>Contact Part No.</th><th>Gauge</th><th>Tool setting</th></tr><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></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															
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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																																										
Positioner for male contacts (To be ordered separately.)	09 99 000 0522	<table><tr><th>Contact Part No.</th><th>Gauge</th><th>Tool setting</th></tr><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></table>	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																																	
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Positioner for female contacts (To be ordered separately.)	09 99 000 0521	<table><tr><th>Contact Part No.</th><th>Gauge</th><th>Tool setting</th></tr><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></table>	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																																	
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09 69 182 x823	AWG 8, 10	7 for AWG 8 and 6 for AWG 10																																										
Hand crimp tool for coaxial contacts, solder/crimp version ¹⁾ Die (To be ordered separately)	09 99 000 0503 09 99 000 0508	 <table><tr><th>Contact Part No.</th><th>Cavity</th></tr><tr><td>09 69 181 x230</td><td>B</td></tr><tr><td>09 69 281 x230</td><td>B</td></tr><tr><td>09 69 181 x141</td><td>C</td></tr><tr><td>09 69 281 x141</td><td>C</td></tr><tr><td>09 69 181 x140</td><td>B</td></tr><tr><td>09 69 281 x140</td><td>B</td></tr></table>	Contact Part No.	Cavity	09 69 181 x230	B	09 69 281 x230	B	09 69 181 x141	C	09 69 281 x141	C	09 69 181 x140	B	09 69 281 x140	B																												
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09 69 281 x140	B																																											
Die (To be ordered separately)	09 99 000 0515	<table><tr><th>Contact Part No.</th><th>Cavity</th></tr><tr><td>09 69 181 x143</td><td>A</td></tr><tr><td>09 69 281 x143</td><td>A</td></tr></table>	Contact Part No.	Cavity	09 69 181 x143	A	09 69 281 x143	A																																				
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09 69 181 x143	A																																											
09 69 281 x143	A																																											
Die (To be ordered separately)	09 99 000 0519	<table><tr><th>Contact Part No.</th><th>Cavity</th></tr><tr><td>09 69 181 x233</td><td>B</td></tr><tr><td>09 69 281 x233</td><td>B</td></tr></table>	Contact Part No.	Cavity	09 69 181 x233	B	09 69 281 x233	B																																				
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09 69 281 x233	B																																											

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