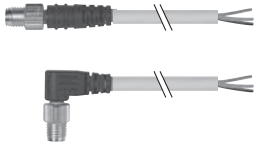


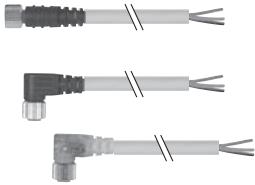
Open ended wires



Round plug connector
Male

M8
straight
90°

page 1.2.1



Round plug connector
Female

M8
straight
90°
90° with LED

page 1.2.3

Field-wireable



Round plug connector
Male
Female

M8
straight
straight

Insulation displacement technology

Insulation displacement as HARAX®, a registered trademark of HARTING KGaA

page 1.2.5



Round plug connector
Male
Female

M8
straight
straight

Solder pins

page 1.2.7











Round plug connector
Male
Female

M8
90°
90°

Solder pins

page 1.2.8

Connection cable	
   	<p>Round plug connector M8 Male straight</p> <p>Round plug connector M8 Female straight 90° 90° with LED</p> <p>page 1.2.9</p>
   	<p>Round plug connector M8 Male 90°</p> <p>Round plug connector M8 Female straight 90° 90° with LED</p> <p>page 1.2.12</p>
    	<p>Round plug connector M8 Male straight 90°</p> <p>Round plug connector M12 Female straight 90° 90° with LED</p> <p>page 1.2.15</p>

Round plug connector M8

with open ended wires

Male straight



Approvals:

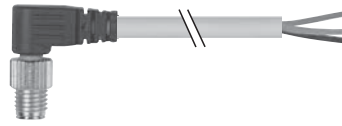
Round plug connector M8

1 Form		No. 08001			08011		
Suppression/Circuit diagram		3-pole			4-pole		
Contact layout							
2 Cable type		Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611
PUR/PVC		020	220	620	021	221	621
PUR (UL/CSA-listed)		030	230	630	031	231	631
Suitable for robot cable (irradiated)		050	250	650	051	251	651
3 Cable length							
1.5 m		0150					
3.0 m		0300					
5.0 m		0500					
7.5 m		0750					
10.0 m		1000					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form		2 Cable type		3 Cable length	
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

with open ended wires

Male
90°



Approvals:

1 Form		No. 08021	08031				
Suppression/Circuit diagram		3-pole	4-pole				
Contact layout							
2 Cable type		Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611
PUR/PVC		020	220	620	021	221	621
PUR (UL/CSA-listed)		030	230	630	031	231	631
Suitable for robot cable (irradiated)		050	250	650	051	251	651
3 Cable length							
1.5 m		0150					
3.0 m		0300					
5.0 m		0500					
7.5 m		0750					
10.0 m		1000					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form		2 Cable type		3 Cable length	
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

Round plug connector M8

with open ended wires

Female straight



Approvals:



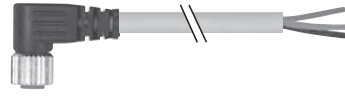
Round plug connector M8

1	Form	No.	08041			08061		
	Suppression/Circuit diagram	3-pole						
Contact layout								
2	Cable type	Jacket color	Jacket color			Jacket color		
	Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black	
	PVC	010	210	610	011	211	611	
	PUR/PVC	020	220	620	021	221	621	
	PUR (UL/CSA-listed)	030	230	630	031	231	631	
Suitable for robot cable (irradiated)	050	250	650	051	251	651		
3	Cable length							
	1.5 m	0150						
	3.0 m	0300						
	5.0 m	0500						
	7.5 m	0750						
	10.0 m	1000						
Your article no.	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid gray; padding: 5px; text-align: center;"> 7 0 0 0 Murrelektronik Standard </div> - <div style="border: 1px solid gray; width: 60px; height: 30px; margin: 0 auto;"></div> - <div style="border: 1px solid gray; width: 60px; height: 30px; margin: 0 auto;"></div> <div style="border: 1px solid gray; width: 60px; height: 30px; margin: 0 auto;"></div> </div>							
The composition of your article number is explained on page 1.1.2	<div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> 1 Form </div> <div style="text-align: center;"> 2 Cable type </div> <div style="text-align: center;"> 3 Cable length </div> </div>							
Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.							

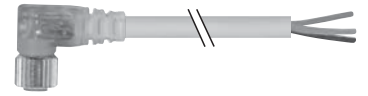
Round plug connector M8

with open ended wires

Female
90°



Female
90°, with LED



Approvals:

1 Form		No. 08081			No. 08101			No. 08121		
Suppression/Circuit diagram		3-pole			4-pole			3-pole with 2 x LED (PNP)		
Contact layout		Female 			Female 			Female 		
								(NPN) on request		
2 Cable type		Jacket color			Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611	010	210	610
PUR/PVC		020	220	620	021	221	621	020	220	620
PUR (UL/CSA-listed)		030	230	630	031	231	631	030	230	630
Suitable for robot cable (irradiated)		050	250	650	051	251	651	050	250	650
3 Cable lengths										
1.5 m		0150								
3.0 m		0300								
5.0 m		0500								
7.5 m		0750								
10.0 m		1000								
Your article no.										
The composition of your article number is explained on page 1.1.2										
		1 Form			2 Cable type			3 Cable length		
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.								

Round plug connector M8

Round plug connector M8

for field wiring
with isolation displacement
technology

Male
straight



Female
straight



Approvals:

Round plug connector M8

Form	No.	08321	08341	08361	08381
Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
Wire diameter		0.25...0.5 mm ²	0.25...0.5 mm ²	0.25...0.5 mm ²	0.25...0.5 mm ²
Contact layout		Male 	Male 	Female 	Female

Technical Data

Supply voltage	max. 32 V
Nominal current	max. 3 A
Voltage isolation	500 V
Conductor diameter	≥ 0.1 mm (DIN VDE 0812)
Outer wire diameter	1.2...1.6 mm
Outer cable diameter	4...5.1 mm
Wire isolation	PVC, PP, TPE
Connection frequency	10
Protection	IP67 when plugged and screwed down (DIN 40050)
Temperature range	-25...+85 °C
Combustibility class to UL 94	V0

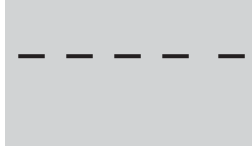
Your article no.

The composition
of your article number
is explained
on page 1.1.2

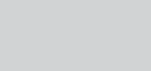
7 0 0 0

Murrelektronik
Standard

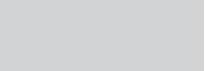
-



0 0 0



0 0 0 0



1 Form

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M8

for field wiring
with isolation displacement
technology

Male
straight



Female
straight



1	Form	No.	08331	08351	08371	08391
	Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
	Wire diameter		0.14...0.34 mm ²	0.14...0.34 mm ²	0.14...0.34 mm ²	0.14...0.34 mm ²
	Contact layout		Male 	Male 	Female 	Female

Technical Data

Supply voltage	max. 32 V
Nominal current	max. 4 A
Voltage isolation	500 V
Conductor diameter	≥ 0.1 mm (DIN VDE 0812)
Outer wire diameter	1.2...1.6 mm
Outer cable diameter	black gasket 3.2...4.4 mm, transparent gasket 4.2...5.4 mm
Wire isolation	PVC, PP, TPE
Connection frequency	10
Protection	IP67

Your article no.

The composition
of your article number
is explained
on page 1.1.2

7 0 0 0

Murrelektronik
Standard

-

— — — — —

-

0 0 0

0 0 0 0

1 Form

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M8

for field wiring
with solder pins

Male
straight



Female
straight



Round plug connector M8

1 Form	No.	08401	08421	08481	08501
Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
Wire diameter		max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²
Contact layout		Male 	Male 	Female 	Female
Technical Data					
Supply voltage	60 V AC/DC				
Isolation group	category III to VDE 0110				
Current / contact (40 °C)	max. 4 A				
Wiring method	solder pins				
Protection	IP67 when plugged and screwed down (DIN 40050)				
Temperature range	-40...+85 °C				
Clamping range: Cable exist	max. 5.0 mm				
Your article no.					
The composition of your article number is explained on page 1.1.2	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="border: 1px solid black; padding: 5px; background-color: #ccc;">7 0 0 0</div> - <div style="border: 1px solid black; padding: 5px; background-color: #ccc;">_ _ _ _</div> - <div style="border: 1px solid black; padding: 5px; background-color: #ccc;">0 0 0</div> <div style="border: 1px solid black; padding: 5px; background-color: #ccc;">0 0 0 0</div> </div> <p style="margin-top: 5px;">Murrelektronik Standard</p>				
1 Form					
Notes					
Accessories and technical data in chapter 1.10.					

Round plug connector M8

for field wiring
with solder pins

Male
90°



Female
90°



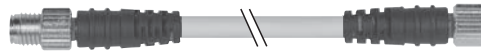
1	Form	No.	08441	08461	08521	08541
	Suppression/Circuit diagram		3-pole	4-pole	3-pole	4-pole
	Wire diameter		max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²	max. 0.25 mm ²
	Contact layout		Male 	Male 	Female 	Female
Technical Data						
	Supply voltage		60 V AC/DC			
	Isolation group		category III to VDE 0110			
	Current / contact (40 °C)		max. 4 A			
	Wiring method		solder pins			
	Protection		IP67 when plugged and screwed down (DIN 40050)			
	Temperature range		-40...+85 °C			
	Clamping range: Cable exist		max. 5.0 mm			
Your article no.						
	The composition of your article number is explained on page 1.1.2		7 0 0 0	-	0 0 0	0 0 0 0
			Murrelektronik Standard			
			1 Form			
Notes						
			Accessories and technical data in chapter 1.10.			

Round plug connector M8

Connection cable
M8 - M8

Male
straight

Female
straight



Approvals:

Round plug connector M8

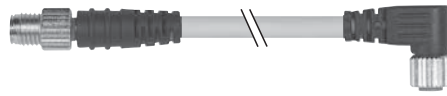
1	Form	No.	88001	88011			
	Suppression/Circuit diagram	3-pole		4-pole			
Contact layout	<p>Male Female</p>	<p>Male Female</p>					
2	Cable type	Jacket color			Jacket color		
	Wire diameter 0.25 mm ²	yellow	gray	black	yellow	gray	black
	PVC	010	210	610	011	211	611
	PUR/PVC	020	220	620	021	221	621
	PUR (UL/CSA-listed)	030	230	630	031	231	631
Suitable for robot cable (irradiated)	050	250	650	051	251	651	
3	Cable length						
	0.3 m	0030					
	0.6 m	0060					
	1.0 m	0100					
	1.5 m	0150					
	2.0 m	0200					
Your article no.							
The composition of your article number is explained on page 1.1.2							
	1 Form		2 Cable type		3 Cable length		
Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.						

Round plug connector M8

Connection cable
M8 - M8

Male
straight

Female
90°



Approvals:

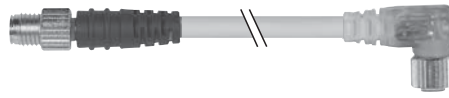
1 Form		No. 88021	88031				
Suppression/Circuit diagram		3-pole	4-pole				
Contact layout							
2 Cable type		Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611
PUR/PVC		020	220	620	021	221	621
PUR (UL/CSA-listed)		030	230	630	031	231	631
Suitable for robot cable (irradiated)		050	250	650	051	251	651
3 Cable length							
0.3 m		0030					
0.6 m		0060					
1.0 m		0100					
1.5 m		0150					
2.0 m		0200					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form		2 Cable type		3 Cable length	
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

Connection cable
M8 - M8

Male
straight

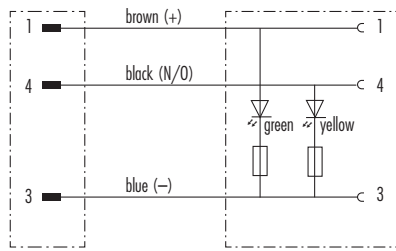
Female
90°, with LED



Approvals:

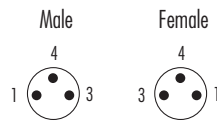
1 Form No. 88041

Suppression/Circuit diagram 3-pole with 2 x LED (PNP)



(NPN) on request

Contact layout



2 Cable type Jacket color

Wire diameter 0.25 mm ²	yellow	gray	black
PVC	010	210	610
PUR/PVC	020	220	620
PUR (UL/CSA-listed)	030	230	630
Suitable for robot cable (irradiated)	050	250	650

3 Cable length

0.3 m	0030
0.6 m	0060
1.0 m	0100
1.5 m	0150
2.0 m	0200

Your article no.

The composition of your article number is explained on page 1.1.2

7 0 0 0 - **Murrelektronik Standard**

1 Form

2 Cable type

3 Cable length

Notes

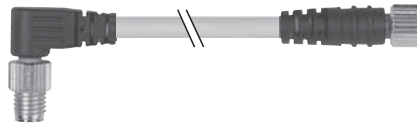
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M8

Connection cable
M8 - M8

Male
90°

Female
straight



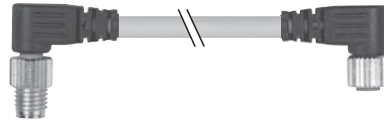
1 Form		No. 88061			88071		
Suppression/Circuit diagram		3-pole			4-pole		
Contact layout							
2 Cable type		Jacket color			Jacket color		
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray	black
PVC		010	210	610	011	211	611
PUR/PVC		020	220	620	021	221	621
PUR (UL/CSA-listed)		030	230	630	031	231	631
Suitable for robot cable (irradiated)		050	250	650	051	251	651
3 Cable length							
0.3 m		0030					
0.6 m		0060					
1.0 m		0100					
1.5 m		0150					
2.0 m		0200					
Your article no.							
The composition of your article number is explained on page 1.1.2							
		1 Form			2 Cable type		3 Cable length
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.					

Round plug connector M8

Connection cable
M8 - M8

Male
90°

Female
90°



Round plug connector M8

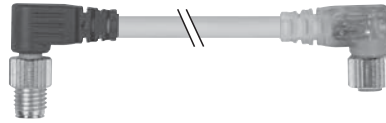
1	Form	No. 88081			88091		
	Suppression/Circuit diagram	3-pole			4-pole		
	Contact layout						
2	Cable type	Jacket color			Jacket color		
	Wire diameter 0.25 mm²	yellow	gray	black	yellow	gray	black
	PVC	010	210	610	011	211	611
	PUR/PVC	020	220	620	021	221	621
	PUR (UL/CSA-listed)	030	230	630	031	231	631
Suitable for robot cable (irradiated)	050	250	650	051	251	651	
3	Cable length						
	0.3 m	0030					
	0.6 m	0060					
	1.0 m	0100					
	1.5 m	0150					
	2.0 m	0200					
	Your article no.						
	The composition of your article number is explained on page 1.1.2						
		1 Form		2 Cable type		3 Cable length	
Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.						

Round plug connector M8

Connection cable
M8 - M8

Male
90°

Female
90°, with LED



Approvals:

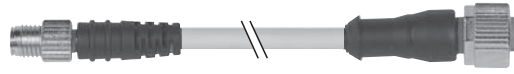
1	Form	No.	88101		
	Suppression/Circuit diagram	3-pole with 2 x LED (PNP)			
	Contact layout	<p>(NPN) on request</p>			
2	Cable type	Jacket color			
	Wire diameter 0.25 mm²	yellow	gray	black	
	PVC	010	210	610	
	PUR/PVC	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	
	Suitable for robot cable (irradiated)	050	250	650	
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 m	0100			
	1.5 m	0150			
	2.0 m	0200			
	Your article no.				
	The composition of your article number is explained on page 1.1.2	<div style="display: flex; align-items: center; gap: 10px;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> 7 0 0 0 Murrelektronik Standard </div> - <div style="border: 1px solid gray; width: 60px; height: 30px; background-color: #cccccc;"></div> - <div style="border: 1px solid gray; width: 60px; height: 30px; background-color: #cccccc;"></div> - <div style="border: 1px solid gray; width: 60px; height: 30px; background-color: #cccccc;"></div> </div>			
		1	Form	2	Cable type
		3	Cable length		
Notes					
	Accessories and technical data in chapter 1.10. Further cable lengths on request.				

Round plug connector M8

Connection cable
M8 - M12

Male
straight

Female
straight



Approvals:

Round plug connector M8

1	Form	No.	88241		
	Suppression/Circuit diagram	3-pole			
	Contact layout				
2	Cable type	Jacket color			
	Wire diameter 0.25 mm²	yellow	gray	black	
	PVC	010	210	610	
	PUR/PVC	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	
Suitable for robot cable (irradiated)	050	250	650		
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 m	0100			
	1.5 m	0150			
	2.0 m	0200			
	Your article no.				
	<p>The composition of your article number is explained on page 1.1.2</p> <p>Murrelektronik Standard</p>				
	1 Form		2 Cable type		3 Cable length
Notes	<p>Accessories and technical data in chapter 1.10. Further cable lengths on request.</p>				

Round plug connector M8

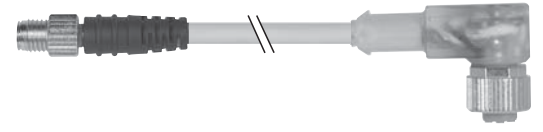
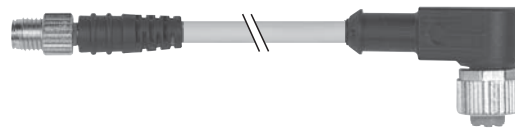
Connection cable
M8 - M12

Male
straight

Female
90°

Male
straight

Female
90°, with LED



Approvals:

1 Form		No. 88261	No. 88281			
Suppression/Circuit diagram		3-pole	3-pole with 2 x LED (PNP)			
Contact layout						
2 Cable type		Jacket color			Jacket color	
Wire diameter 0.25 mm ²		yellow	gray	black	yellow	gray
PVC		010	210	610	010	210
PUR/PVC		020	220	620	020	220
PUR (UL/CSA-listed)		030	230	630	030	230
Suitable for robot cable (irradiated)		050	250	650	050	250
3 Cable length						
0.3 m		0030				
0.6 m		0060				
1.0 m		0100				
1.5 m		0150				
2.0 m		0200				
Your article no.						
The composition of your article number is explained on page 1.1.2						
		1 Form			2 Cable type	
					3 Cable length	
Notes		Accessories and technical data in chapter 1.10. Further cable lengths on request.				

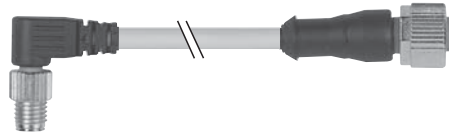
Round plug connector M8

Round plug connector M8

Connection cable
M8 - M12

Male
90°

Female
straight



Approvals:

Round plug connector M8

1	Form	No.	88301		
	Suppression/Circuit diagram	3-pole			
	Contact layout				
2	Cable type	Jacket color			
	Wire diameter 0.25 mm²	yellow	gray	black	
	PVC	010	210	610	
	PUR/PVC	020	220	620	
	PUR (UL/CSA-listed)	030	230	630	
Suitable for robot cable (irradiated)	050	250	650		
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 m	0100			
	1.5 m	0150			
	2.0 m	0200			
	Your article no.				
	The composition of your article number is explained on page 1.1.2				
		1	Form	2	Cable type
		3	Cable length		
	Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.			

Round plug connector M8

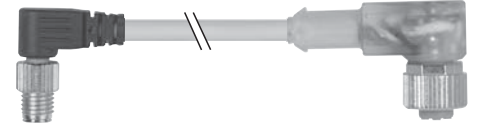
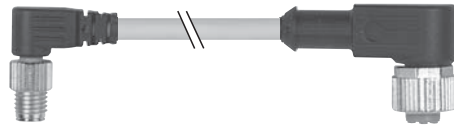
Connection cable
M8 - M12

Male
90°

Female
90°

Male
90°

Female
90°, with LED



Approvals:

1	Form No.	88321	88341																																									
	Suppression/Circuit diagram	<p>3-pole</p>	<p>3-pole with 2 x LED (PNP)</p> <p>(NPN) on request</p>																																									
2	Contact layout																																											
	Cable type	<table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</th> <th colspan="3">Jacket color</th> <th colspan="3">Jacket color</th> </tr> <tr> <th></th> <th>yellow</th> <th>gray</th> <th>black</th> <th>yellow</th> <th>gray</th> <th>black</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>010</td> <td>210</td> <td>610</td> <td>010</td> <td>210</td> <td>610</td> </tr> <tr> <td>PUR/PVC</td> <td>020</td> <td>220</td> <td>620</td> <td>020</td> <td>220</td> <td>620</td> </tr> <tr> <td>PUR (UL/CSA-listed)</td> <td>030</td> <td>230</td> <td>630</td> <td>030</td> <td>230</td> <td>630</td> </tr> <tr> <td>Suitable for robot cable (irradiated)</td> <td>050</td> <td>250</td> <td>650</td> <td>050</td> <td>250</td> <td>650</td> </tr> </tbody> </table>	Wire diameter 0.25 mm ²	Jacket color			Jacket color				yellow	gray	black	yellow	gray	black	PVC	010	210	610	010	210	610	PUR/PVC	020	220	620	020	220	620	PUR (UL/CSA-listed)	030	230	630	030	230	630	Suitable for robot cable (irradiated)	050	250	650	050	250	650
Wire diameter 0.25 mm ²	Jacket color			Jacket color																																								
	yellow	gray	black	yellow	gray	black																																						
PVC	010	210	610	010	210	610																																						
PUR/PVC	020	220	620	020	220	620																																						
PUR (UL/CSA-listed)	030	230	630	030	230	630																																						
Suitable for robot cable (irradiated)	050	250	650	050	250	650																																						
3	Cable length	<table border="1"> <tbody> <tr> <td>0.3 m</td> <td>0030</td> </tr> <tr> <td>0.6 m</td> <td>0060</td> </tr> <tr> <td>1.0 m</td> <td>0100</td> </tr> <tr> <td>1.5 m</td> <td>0150</td> </tr> <tr> <td>2.0 m</td> <td>0200</td> </tr> </tbody> </table>		0.3 m	0030	0.6 m	0060	1.0 m	0100	1.5 m	0150	2.0 m	0200																															
	0.3 m	0030																																										
0.6 m	0060																																											
1.0 m	0100																																											
1.5 m	0150																																											
2.0 m	0200																																											
Your article no.	<p>The composition of your article number is explained on page 1.1.2</p> <p>7 0 0 0 - --- - --- - ---</p> <p>Murrelektronik Standard</p>																																											
Notes	<p>Accessories and technical data in chapter 1.10. Further cable lengths on request.</p>																																											

Round plug connector M8

1 Form **2** Cable type **3** Cable length