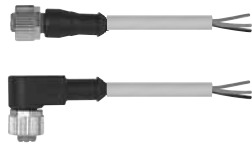
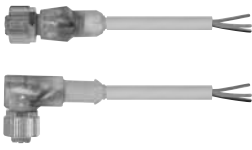


With open ended wire

Round plug connector M12		Round plug connector Male	M12 straight 90°	page 1.3.1
		Round plug connector Female	M12 straight 90°	page 1.3.3
		Round plug connector Female with LED	M12 straight 90°	page 1.3.6
		Round plug connector Male (shielded)	M12 straight 90°	page 1.3.9
		Round plug connector Female (shielded)	M12 straight 90°	page 1.3.11

Field-wireable

		Round plug connector Male Female Isolation displacement as HARAX®, a registered trademark of HARTING KGaA	M12 Isolation displacement technology straight / 90° straight / 90°	page 1.3.13
		Round plug connector Male Male Female	M12 Screw terminals straight / 90° straight / 90° straight / 90°	page 1.3.18
		Round plug connector Male Female	M12 Screw terminals, shielded straight / 90° straight / 90°	page 1.3.23

Connection Cable			
 	Round plug connector M12 Male straight 90°		Round plug connector M12 Female straight 90° 90° with LED page 1.3.25
	 		
 	Round plug connector M12 Male (shielded) straight DESINA®		Round plug connector M12 Female straight 90° DESINA® page 1.3.39
 	Round plug connector M12 Male straight 90°		Round plug connector M8 Female straight 90° 90° with LED page 1.3.40
	 		
 			
 	Y-distributor M12 Male straight		Round plug connector M12 Female straight 90° 90° with LED page 1.3.44
	 		
 	Y-distributor M12 Male straight		Round plug connector M8 Female straight 90° 90° with LED page 1.3.47
	 		
 	T-coupler Male M12 straight		T-coupler Female M8 Female M12 straight straight page 1.3.49

Round plug connector M12

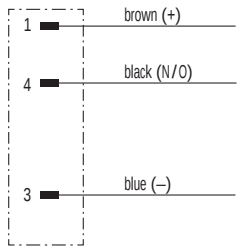
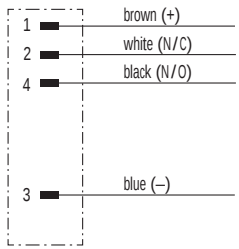
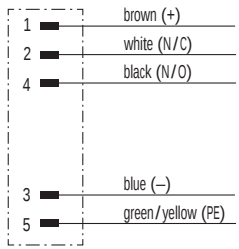
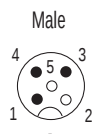
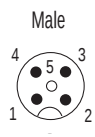
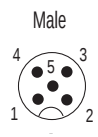
with open ended wires

Male
straight



Approvals: 

Round plug connector M12

1	Form	No.	1 2 0 0 1			1 2 0 2 1			1 2 0 4 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type	Jacket color				Jacket color			Jacket color		
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black	yellow	gray	black	
	PVC	013	213	613	014	214	614	015	215	615	
	PUR / PVC	023	223	623	024	224	624	025	225	625	
	PUR (UL / CSA-listed)	033	233	633	034 DESINA®	234	634	035	235	635	
	Suitable for robot cable (irradiated)	053	253	653	054 DESINA®	254	654	055	255	655	
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	7000 — — — — — — — — — — — — — Murrelektronik Standard									
		1 Form			2 Cable type			3 Cable length			

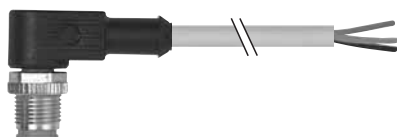
Notes

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

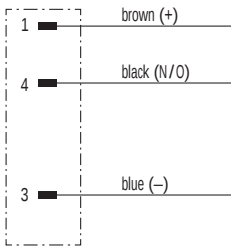
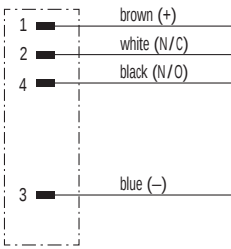
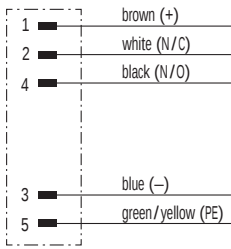
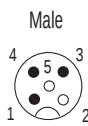
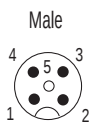
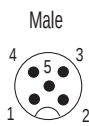
Round plug connector M12

with open ended wires

Male
90°



Approvals: 

1	Form	No.	1 2 0 8 1			1 2 1 0 1			1 2 1 2 1											
	Suppression / Circuit diagram		3-pole			4-pole			5-pole											
																				
	Contact layout																			
2	Cable type		Jacket color			Jacket color			Jacket color											
	Wire diameter 0.34 mm²		yellow	gray	black	yellow	gray	black	yellow	gray	black									
	PVC		013	213	613	014	214	614	015	215	615									
	PUR / PVC		023	223	623	024	224	624	025	225	625									
	PUR (UL / CSA-listed)		033	233	633	034 DESINA®	234	634	035	235	635									
	Suitable for robot cable (irradiated)		053	253	653	054 DESINA®	254	654	055	255	655									
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		7000 — — — — — — — — — — — — — Murrelektronik Standard																	
			1			Form			2			Cable type			3			Cable length		

Round plug connector M12

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

Round plug connector M12

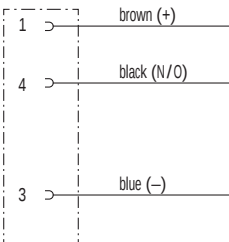
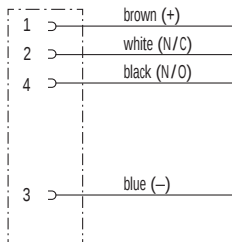
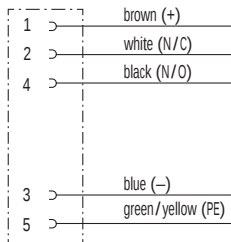
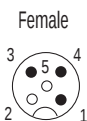
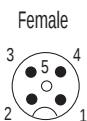
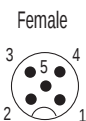
with open ended wires

Female
straight



Approvals: 

Round plug connector M12

1	Form	No.	1 2 1 8 1			1 2 2 2 1			1 2 2 4 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type	Jacket color				Jacket color			Jacket color		
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black	yellow	gray	black	
	PVC	013	213	613	014	214	614	015	215	615	
	PUR / PVC	023	223	623	024	224	624	025	225	625	
	PUR (UL / CSA-listed)	033	233	633	034 DESINA®	234	634	035	235	635	
	Suitable for robot cable (irradiated)	053	253	653	054 DESINA®	254	654	055	255	655	
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	7000 Murrelektronik Standard - — — — — - — — — — — — —									
		1 Form			2 Cable type			3 Cable length			

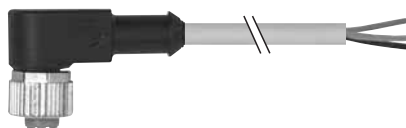
Notes

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

Round plug connector M12

with open ended wires

Female
90°



Approvals: 

1	Form	No.	1 2 3 2 1			1 2 3 4 1			1 2 3 6 1											
	Suppression / Circuit diagram		3-pole			4-pole			5-pole											
	Contact layout																			
2	Cable type		Jacket color			Jacket color			Jacket color											
	Wire diameter 0.34 mm²		yellow	gray	black	yellow	gray	black	yellow	gray	black									
	PVC		013	213	613	014	214	614	015	215	615									
	PUR / PVC		023	223	623	024	224	624	025	225	625									
	PUR (UL / CSA-listed)		033	233	633	034 DESINA®	234	634	035	235	635									
	Suitable for robot cable (irradiated)		053	253	653	054 DESINA®	254	654	055	255	655									
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		7000 — — — — — Murrelektronik Standard — — — — — — — — — — — — — — —																	
			1			Form			2			Cable type			3			Cable length		

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

Round plug connector M12

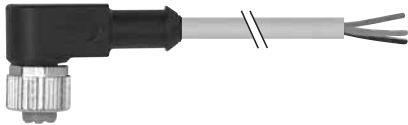


with open ended wires

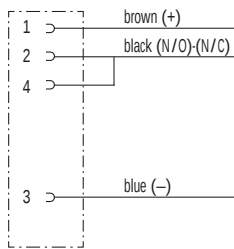
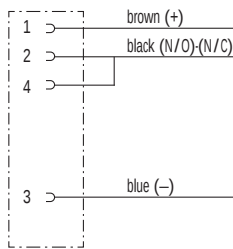
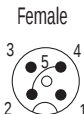
Female
straight



Female
90°



Approvals: 

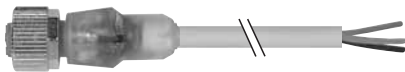
1	Form	No.	1 2 1 6 1			1 2 3 0 1				
	Suppression / Circuit diagram		4-pole			4-pole				
										
2	Contact layout									
	Cable type		Jacket color			Jacket color				
	Wire diameter 0.34 mm²		yellow	gray	black	yellow	gray	black		
	PVC		013	213	613	013	213	613		
	PUR / PVC		023	223	623	023	223	623		
	PUR (UL / CSA-listed)		033	233	633	033	233	633		
	Suitable for robot cable (irradiated)		053	253	653	053	253	653		
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		7000 - - 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 M12

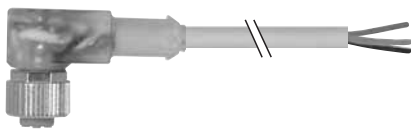


with open ended wires

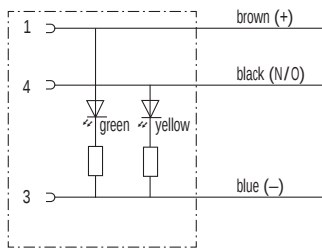
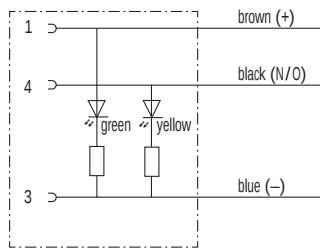
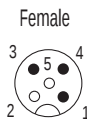
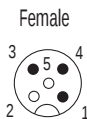
Female
straight, with LED



Female
90°, with LED



Approvals: 

1	Form	No.	1 2 2 6 1			1 2 3 8 1		
	Suppression / Circuit diagram		3-pole with 2 x LED (PNP)			3-pole with 2 x LED (PNP)		
								
	Contact layout		(NPN) on request			(NPN) on request		
								
2	Cable type		Jacket color			Jacket color		
	Wire diameter 0.34 mm²		yellow	gray	black	yellow	gray	black
	1 – PVC		013	213	613	013	213	613
	2 – PUR / PVC		023	223	623	023	223	623
	3 – PUR (UL / CSA-listed)		033	233	633	033	233	633
	5 – Suitable for robot cable (irradiated)		053	253	653	053	253	653
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		7000 — </					

Round plug connector M12

Round plug connector M12

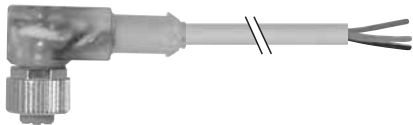


with open ended wires

Female
straight, with LED



Female
90°, with LED



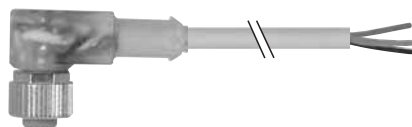
Approvals:

1	Form	No.	1 2 2 8 1			1 2 4 0 1							
	Suppression / Circuit diagram		4-pole with 2 x LED (PNP)			4-pole with 2 x LED (PNP)							
			(NPN) on request			(NPN) on request							
	Contact layout												
2	Cable type	Jacket color				Jacket color							
	Wire diameter 0.34 mm²	yellow	gray	black		yellow	gray	black					
	PVC	013	213	613		013	213	613					
	PUR / PVC	023	223	623		023	223	623					
	PUR (UL / CSA-listed)	033	233	633		033	233	633					
	Suitable for robot cable (irradiated)	053	253	653		053	253	653					
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	7000 - - 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 M12

with open ended wires

Female
90°, with LED



Approvals: 

1	Form	No.	1 2 4 2 1	1 2 4 4 1
	Suppression / Circuit diagram	4-pole with 3 x LED (PNP) 5-pole with 3 x LED (PNP)		
2	Contact layout	(NPN) on request (NPN) on request		
3	Cable type	Jacket color		
	Wire diameter 0.34 mm ²	yellow	gray	black
	PVC	014	214	614
	PUR / PVC	024	224	624
	PUR (UL / CSA-listed)	034	234	634
	Suitable for robot cable (irradiated)	054	254	654
3	Cable length	Jacket color		
	1.5 m	0150		
	3.0 m	0300		
	5.0 m	0500		
	7.5 m	0750		
	10.0 m	1000		
3	Your article no.	7 0 0 0 - - - - -		
	The composition of your article number is explained on page 1.1.2	Murrelektronik Standard		
3	Form	Cable type		
	1	2	3	

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

Round plug connector M12

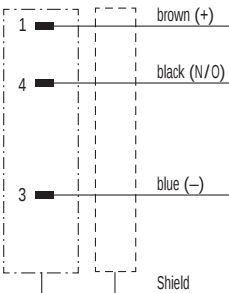
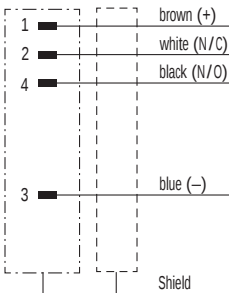
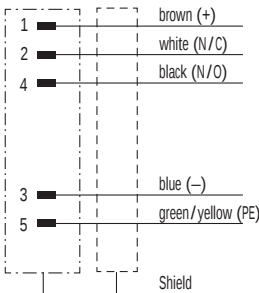
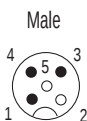
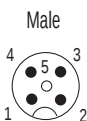
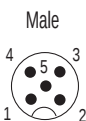
with open ended wires

Male
straight, shielded



Approvals: 

Round plug connector M12

1	Form	No.	1 3 0 6 1	1 3 0 8 1	1 3 1 0 1
	Suppression / Circuit diagram	3-pole			
	Contact layout				
	Cable type	Jacket color	Jacket color	Jacket color	
2	Wire diameter 0.34 mm²	gray	gray	gray	
	PVC	317	330	348	
	PUR / PVC	318	331	349	
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	7000 Murrelektronik Standard	— — — —	— — —	
Notes		1 Form	2 Cable type	3 Cable length	

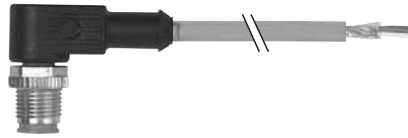
Notes

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

Round plug connector M12

with open ended wires

Male
90°, shielded



Approvals: 

1	Form	No.	1 3 1 2 1	1 3 1 4 1	1 3 1 6 1
	Suppression / Circuit diagram		3-pole	4-pole	5-pole
	Contact layout				
2	Cable type	Jacket color	Jacket color	Jacket color	Jacket color
	Wire diameter 0.34 mm ²				
	PVC	gray	gray	gray	gray
	PUR/PVC	317	330	348	349
		318	331		
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	7 0 0 0 Murrelektronik Standard	— — — —	— — —	— — — —
		1	Form	2	Cable type
		3	Cable length		

Round plug connector M12

Notes

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

Round plug connector M12

with open ended wires

Female
straight, shielded



Approvals: 

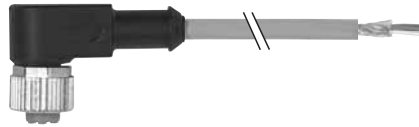
Round plug connector M12

1	Form	No.	1 3 1 8 1	1 3 2 0 1	1 3 2 2 1
	Suppression / Circuit diagram	3-pole		4-pole	5-pole
	Contact layout				
2	Cable type	Jacket color		Jacket color	
	Wire diameter 0.34 mm ²		gray		gray
	PVC		317		330
	PUR/PVC		318		331
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				

Notes

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

Female
90°, shielded



Approvals: 

Round plug connector M12

Round plug connector M12

Field-wireable
with isolation displacement
technology

Male
straight



Female
straight

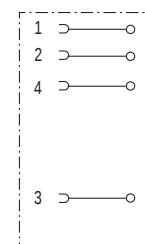
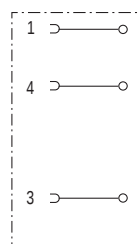
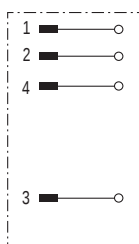
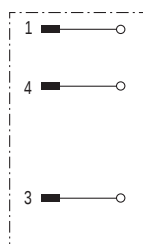


Approvals: **UL** [®] **US**

1

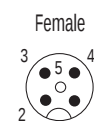
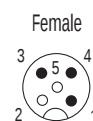
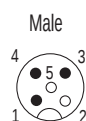
Form	No.	1 2 4 6 1	1 2 4 8 1	1 2 5 8 1	1 2 6 0 1
------	-----	------------------	------------------	------------------	------------------

Suppression / Circuit diagram		3-pole	4-pole	3-pole	4-pole
-------------------------------	--	---------------	---------------	---------------	---------------



Wire diameter		0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²	0.25...0.5 mm²
---------------	--	----------------------------------	----------------------------------	----------------------------------	----------------------------------

Contact layout					
----------------	--	--	--	--	--



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 (EN 60529)
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.
Further cable lengths on request.

with isolation displacement technology

Male
straight

**Female
straight**



Round plug connector M12

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 (EN 60529)
Temperature range	-25...+85 °C

The composition
of your article number
is explained
on page 1.1.2

7 0 0 0

Murrelektronik Standard

1 Form

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

Round plug connector M12



Field-wireable

with isolation displacement technology

Male
90°



Female
90°

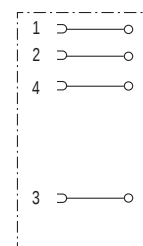
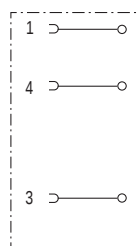
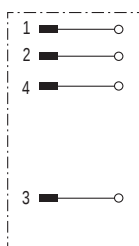
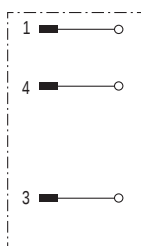


Approvals: cULus

1

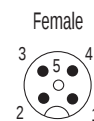
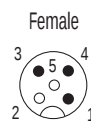
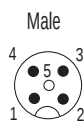
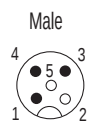
Form	No.	1 2 5 4 1	1 2 5 6 1	1 2 6 6 1	1 2 6 8 1
------	-----	-----------	-----------	-----------	-----------

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				
----------------	--	--	--	--



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 (EN 60529)
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.
Further cable lengths on request.

Round plug connector M12



Field-wireable
with isolation displacement
technology

Male
straight



Round plug connector M12

1	Form	No.	1 2 5 0 1	1 2 5 1 1	1 2 5 2 1	
	Suppression / Circuit diagram		3-pole	3-pole	4-pole	
	Wire diameter		0.5...1.0 mm²	0.5...1.0 mm²	0.5...1.0 mm²	
	Contact layout					
	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		1.6...2.0 mm			
	Outer cable diameter		5.5...8.0 mm			
	Wire isolation		PVC, PP, TPE			
	Connection frequency		10			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	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		7000 - - 000 0000 Murrelektronik Standard			
			1 Form			
	Notes		Accessories and technical data in chapter 1.10.			

Round plug connector M12

Field-wireable

with isolation displacement
technology

Female
straight



1	Form	No.	1 2 6 2 1	1 2 6 3 1	1 2 6 4 1	
	Suppression / Circuit diagram		3-pole	3-pole	4-pole	
	Wire diameter		0.5...1.0 mm ²	0.5...1.0 mm ²	0.5...1.0 mm ²	
	Contact layout					

Round plug connector M12

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	1.6...2.0 mm
Outer cable diameter	5.5...8.0 mm
Wire isolation	PVC, PP, TPE
Connection frequency	10
Protection	IP67 when plugged and screwed down (EN 60529)
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 M12



Field-wireable
with screw terminals

Male
straight



Female
straight

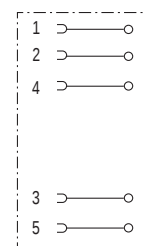
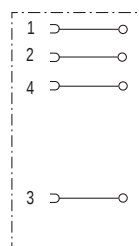
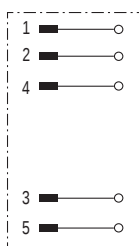
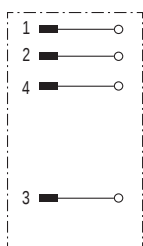


Approvals:

1

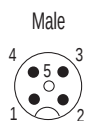
Form	No.	1 2 7 0 1	1 2 7 2 1	1 2 9 0 1	1 2 9 2 1
------	-----	-----------	-----------	-----------	-----------

Suppression / Circuit diagram	4-pole	5-pole	4-pole	5-pole
-------------------------------	--------	--------	--------	--------



Clamping range screw thread	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm
-----------------------------	--------------	--------------	--------------	--------------

Contact layout				
----------------	--	--	--	--



Technical data

Supply voltage	250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
Current per contact	max. 4 A			
Connection type	screw terminals			
Connection diameter	max. 0.75 mm ²			
Protection	IP67 when plugged and screwed down (EN 60529)			
Temperature range	-40...+85 °C			
Housing material	Flame retardant plastic, resistant against standard coding agents and lubricants			
Clamping range screw thread	PG7: 4...6 mm (clamping range 2.5...4 mm on request)			

Your article no.

The composition
of your article number
is explained
on page 1.1.2

7 0 0 0
Murrelektronik
Standard

-

1 Form

0 0 0

0 0 0 0

Notes

Accessories and technical data in chapter 1.10.

Round plug connector M12

Field-wireable
with screw terminals

Male
straight



Female
straight



Approvals: c

1	Form	No.	1 2 7 4 1	1 2 7 6 1	1 2 9 4 1	1 2 9 6 1
	Suppression / Circuit diagram		4-pole	5-pole	4-pole	5-pole
	Clamping range screw thread		PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm
	Contact layout		Male	Male	Female	Female
	Technical data					
	Supply voltage		250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
	Current per contact		max. 4 A			
	Connection type		screw terminals			
	Connection diameter		max. 0.75 mm ²			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	Temperature range		-40...+85 °C			
	Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants			
	Clamping range screw thread		PG9: 6...8 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 M12

Round plug connector M12



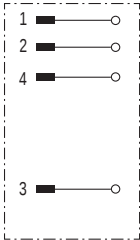
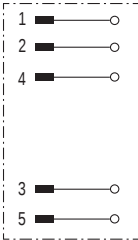
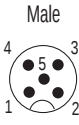
Field-wireable Y-distributor
with screw terminals

Male
straight



Approvals:

Round plug connector M12

1	Form	No.	1 2 7 8 1	1 2 8 0 1		
Suppression / Circuit diagram			4-pole	5-pole		
						
Clamping range screw thread			PG11 2.1...3/4...5 mm	PG11 2.1...3/4...5 mm		
Contact layout						
Technical data						
Supply voltage			250 V AC/DC		125 V AC/DC	
Current per contact			max. 4 A			
Connection type			screw terminals			
Connection diameter			max. 0.75 mm²			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-40...+85 °C			
Housing material			Flame retardant plastic, resistant against standard coding agents and lubricants			
Clamping range screw thread			PG11: 2.1...3/4...5 mm (2 outgoing cables)			
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 Murrelektronik Standard - - 000 0000			
			1 Form			
Notes			Accessories and technical data in chapter 1.10.			

Round plug connector M12

Field-wireable
with screw terminals

Male
90°



Female
90°



Approvals:

1	Form	No.	1 2 8 2 1	1 2 8 4 1	1 2 9 8 1	1 3 0 0 1
	Suppression / Circuit diagram		4-pole	5-pole	4-pole	5-pole
	Clamping range screw thread		PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm	PG7 4...6 mm
	Contact layout					
	Technical data					
	Supply voltage		250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
	Current per contact		max. 4 A			
	Connection type		screw terminals			
	Connection diameter		max. 0.75 mm ²			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	Temperature range		-40...+85 °C			
	Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants			
	Clamping range screw thread		PG7 4...6 mm (clamping range 2.5...4 mm on request)			
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 M12

Field-wireable
with screw terminals

Male
90°



Female
90°



Approvals: c

1	Form	No.	1 2 8 6 1	1 2 8 8 1	1 3 0 2 1	1 3 0 4 1
	Suppression / Circuit diagram		4-pole	5-pole	4-pole	5-pole
	Clamping range screw thread		PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm	PG9 6...8 mm
	Contact layout		Male	Male	Female	Female
	Technical data					
	Supply voltage		250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
	Current per contact		max. 4 A			
	Connection type		screw terminals			
	Connection diameter		max. 0.75 mm ²			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	Temperature range		-40...+85 °C			
	Housing material		Flame retardant plastic, resistant against standard coding agents and lubricants			
	Clamping range screw thread		PG9: 6...8 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 M12



Field-wireable
with screw terminals

Male
straight, shielded



Female
straight, shielded



Round plug connector M12

1	Form	No.	1 3 3 0 1	1 3 3 2 1	1 3 3 8 1	1 3 4 0 1
	Suppression / Circuit diagram		5-pole	5-pole	5-pole	5-pole
	Clamping range screw thread		PG7 4...6 mm	PG9 6...8 mm	PG7 4...6 mm	PG9 6...8 mm
	Contact layout					
	Technical data					
	Supply voltage		max. 125 V AC/DC			
	Current per contact		max. 4 A			
	Connection type		screw terminals			
	Connection diameter		max. 0.75 mm²			
	Protection		IP67 when plugged and screwed down (EN 60529)			
	Temperature range		-40...+85 °C			
	Housing material		CuZn, nickel plated			
	Clamping range screw thread		PG7: 4...6 mm	PG9: 6...8 mm	PG7: 4...6 mm	PG9: 6...8 mm
	Your article no.					
	The composition of your article number is explained on page 1.1.2		7000 Murrelektronik Standard	— — — —	000	0000
			1	Form		
	Notes		Accessories and technical data in chapter 1.10.			

Round plug connector M12

Field-wireable
with screw terminals

Male
90°, shielded



Female
90°, shielded



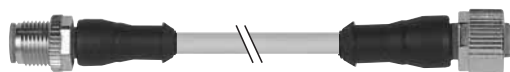
1	Form	No.	1 3 3 4 1	1 3 3 6 1	1 3 4 2 1	1 3 4 4 1
Suppression / Circuit diagram			5-pole	5-pole	5-pole	5-pole
Clamping range screw thread			PG7 4...6 mm	PG9 6...8 mm	PG7 4...6 mm	PG9 6...8 mm
Contact layout						
Technical data						
Supply voltage			max. 125 V AC/DC			
Current per contact			max. 4 A			
Connection type			screw terminals			
Connection diameter			max. 0.75 mm²			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-40...+85 °C			
Housing material			CuZn, nickel plated			
Clamping range screw thread			PG7: 4...6 mm	PG9: 6...8 mm	PG7: 4...6 mm	PG9: 6...8 mm
Your article no.						
The composition of your article number is explained on page 1.1.2			7000 — — — — 000 0000 Murrelektronik Standard			
			1 Form			
Notes			Accessories and technical data in chapter 1.10.			

Round plug connector M12

Connection cable
M12 - M12

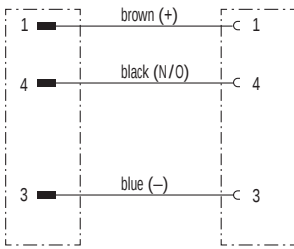
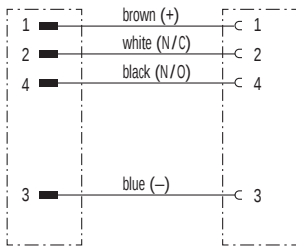
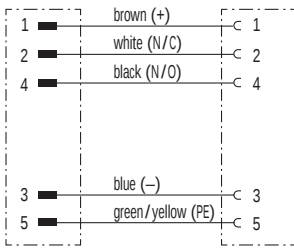
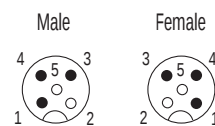
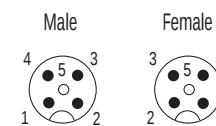
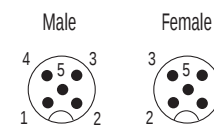
Male
straight

Female
straight



Approvals: 

Round plug connector M12

1	Form	No.	4 0 0 0 1			4 0 0 2 1			4 0 0 4 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type		Jacket color			Jacket color			Jacket color		
	Wire diameter 0.34 mm ²		yellow	gray	black	yellow	gray	black	yellow	gray	black
	PVC		013	213	613	014	214	614	015	215	615
	PUR / PVC		023	223	623	024	224	624	025	225	625
	PUR (UL / CSA-listed)		033	233	633	034 DESINA®	234	634	035	235	635
	Suitable for robot cable (irradiated)		053	253	653	054 DESINA®	254	654	055	255	655
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		7000 — — — — — — — — — — — — — Murrelektronik Standard								
			1 Form			2 Cable type			3 Cable length		

Notes

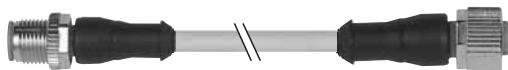
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

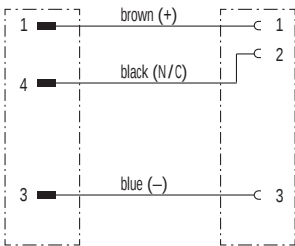
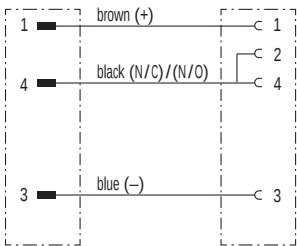
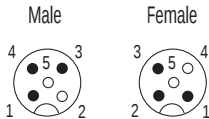
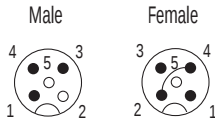
Connection cable
M12 - M12

Male
straight

Female
straight



Approvals: 

1	Form	No.	4 0 0 6 1			4 0 0 8 1			
	Suppression / Circuit diagram		3-pole			3-pole			
									
	Contact layout								
2	Cable type	Jacket color				Jacket color			
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black		
	PVC	013	213	613	013	213	613		
	PUR / PVC	023	223	623	023	223	623		
	PUR (UL / CSA-listed)	033	233	633	033	233	633		
	Suitable for robot cable (irradiated)	053	253	653	053	253	653		
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	7000 — — — — — Murrelektronik Standard — — — — — — — — — — — — — — —							

Notes

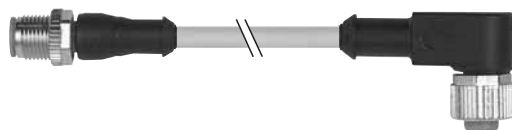
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

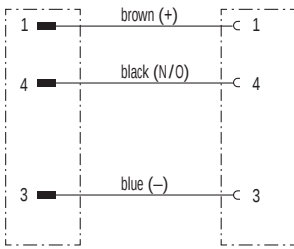
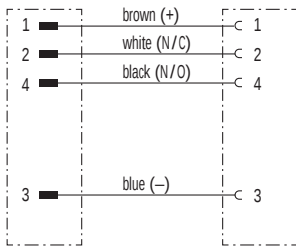
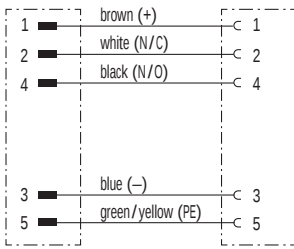
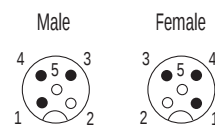
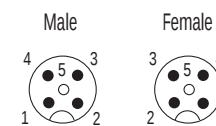
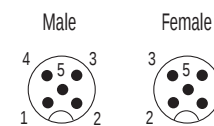
Male
straight

Female
90°



Approvals: 

Round plug connector M12

1	Form	No.	4 0 1 0 1			4 0 1 2 1			4 0 1 4 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type	Jacket color				Jacket color			Jacket color		
	Wire diameter 0.34 mm ²	yellow	gray	black	yellow	gray	black	yellow	gray	black	
	PVC	013	213	613	014	214	614	015	215	615	
	PUR / PVC	023	223	623	024	224	624	025	225	625	
	PUR (UL / CSA-listed)	033	233	633	034 DESINA®	234	634	035	235	635	
	Suitable for robot cable (irradiated)	053	253	653	054 DESINA®	254	654	055	255	655	
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	7000 — — — — — — — — — — — — — Murrelektronik Standard										
	1 Form			2 Cable type			3 Cable length				

Notes

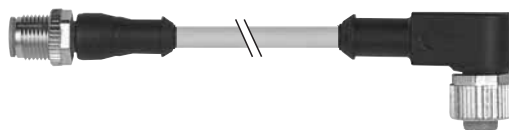
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

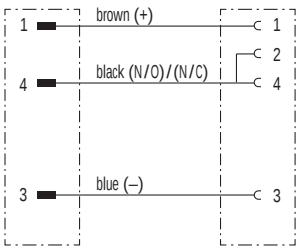
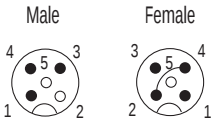
Connection cable
M12 - M12

Male
straight

Female
90°



Approvals:  **us**

1	Form	No.	4 0 1 6 1				
	Suppression / Circuit diagram	3-pole					
							
Contact layout							
2	Cable type	Jacket color					
	Wire diameter 0.34 mm²	yellow	gray	black			
	PVC	013	213	613			
	PUR / PVC	023	223	623			
	PUR (UL / CSA-listed)	033	233	633			
	Suitable for robot cable (irradiated)	053	253	653			
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		7000 — — — — — — — — — — — — — Murrelektronik Standard					
		1	Form	2	Cable type	3	Cable length
Notes							

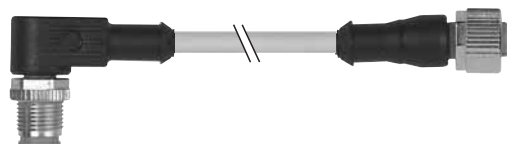
Notes	Accessories and technical data in chapter 1.10. Further cable lengths on request.
-------	--

Round plug connector M12

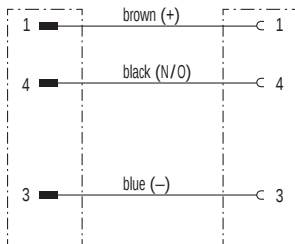
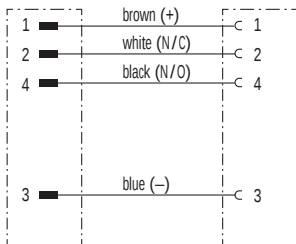
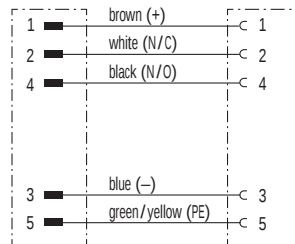
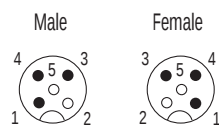
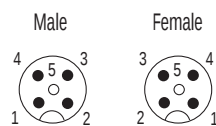
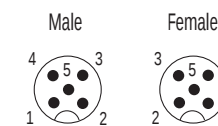
Connection cable
M12 - M12

Male
90°

Female
straight



Approvals: 

1	Form	No.	4 0 1 7 1			4 0 2 0 1			4 0 2 2 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type	Jacket color				Jacket color			Jacket color		
	Wire diameter 0.34 mm ²	yellow	gray	black	yellow	gray	black	yellow	gray	black	
	PVC	013	213	613	014	214	614	015	215	615	
	PUR / PVC	023	223	623	024	224	624	025	225	625	
	PUR (UL / CSA-listed)	033	233	633	034 DESINA®	234	634	035	235	635	
	Suitable for robot cable (irradiated)	053	253	653	054 DESINA®	254	654	055	255	655	
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		7000 — —									

Notes

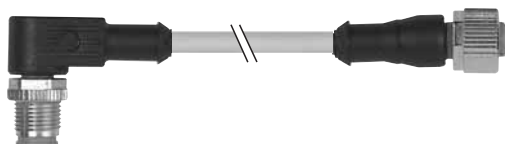
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

Male
90°

Female
straight



Approvals: 

1	Form	No.	4 0 1 8 1		
	Suppression / Circuit diagram	3-pole			
	Contact layout	 			
2	Cable type	Jacket color			
	Wire diameter 0.34 mm ²	yellow	gray	black	
	PVC	013	213	613	
	PUR / PVC	023	223	623	
	PUR (UL / CSA-listed)	033	233	633	
	Suitable for robot cable (irradiated)	053	253	653	
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

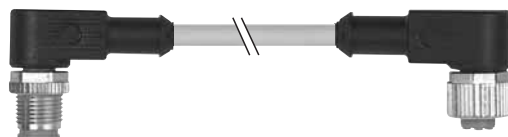
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

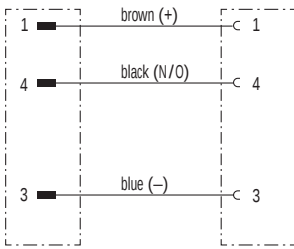
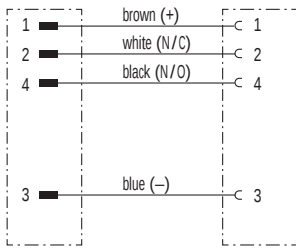
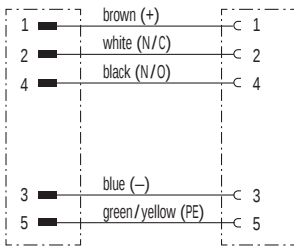
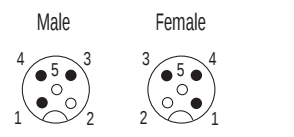
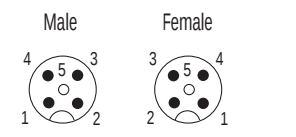
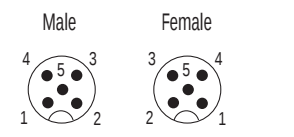
Male
90°

Female
90°



Approvals:  **us**

Round plug connector M12

1	Form	No.	4 0 2 4 1			4 0 2 6 1			4 0 2 8 1		
	Suppression / Circuit diagram		3-pole			4-pole			5-pole		
											
	Contact layout										
2	Cable type		Jacket color			Jacket color			Jacket color		
	Wire diameter 0.34 mm ²		yellow	gray	black	yellow	gray	black	yellow	gray	black
	PVC		013	213	613	014	214	614	015	215	615
	PUR / PVC		023	223	623	024	224	624	025	225	625
	PUR (UL / CSA-listed)		033	233	633	034 DESINA®	234	634	035	235	635
	Suitable for robot cable (irradiated)		053	253	653	054 DESINA®	254	654	055	255	655
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		7000 — — — — — — — — — — — — — Murrelektronik Standard								
			1 Form			2 Cable type			3 Cable length		

Notes

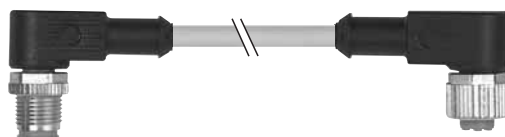
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

Male
90°

Female
90°



Approvals: 

1	Form	No.	4 0 3 0 1					
	Suppression / Circuit diagram		3-pole					
	Contact layout							
2	Cable type	Jacket color						
	Wire diameter 0.34 mm²	yellow	gray	black				
	PVC	013	213	613				
	PUR / PVC	023	223	623				
	PUR (UL / CSA-listed)	033	233	633				
	Suitable for robot cable (irradiated)	053	253	653				
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							

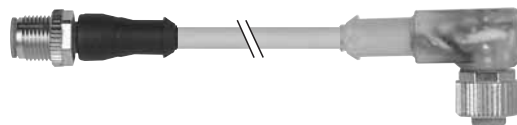
Round plug connector M12

Round plug connector M12

Connection cable
M12 - M12

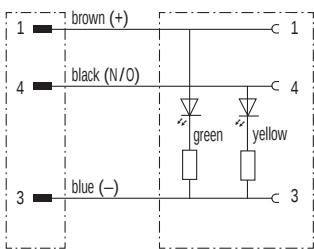
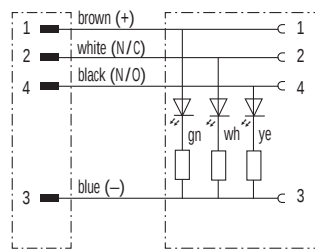
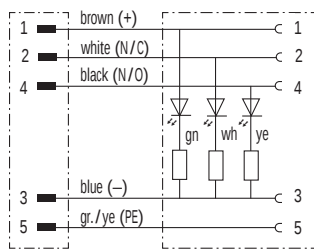
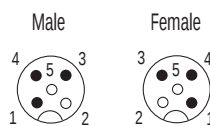
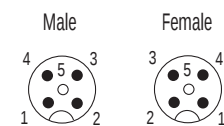
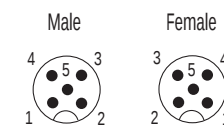
Male
straight

Female
90°, with LED



Approvals: 

Round plug connector M12

1	Form	No.	4 0 3 2 1			4 0 3 4 1			4 0 3 6 1		
	Suppression / Circuit diagram		3-pole with 2 x LED (PNP)			4-pole with 3 x LED (PNP)			5-pole with 3 x LED (PNP)		
											
			(NPN) on request			(NPN) on request			(NPN) on request		
Contact layout											
2	Cable type	Jacket color				Jacket color			Jacket color		
	Wire diameter 0.34 mm ²	yellow	gray	black	yellow	gray	black	yellow	gray	black	
	PVC	013	213	613	014	214	614	015	215	615	
	PUR / PVC	023	223	623	024	224	624	025	225	625	
	PUR (UL / CSA-listed)	033	233	633	034	234	634	035	235	635	
	Suitable for robot cable (irradiated)	053	253	653	054	254	654	055	255	655	
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		7000 — — — — — — — — — — — — — Murrelektronik Standard									
		1 Form			2 Cable type			3 Cable length			

Notes

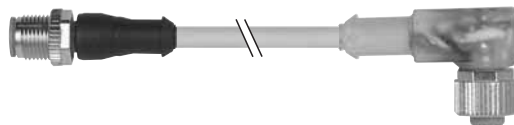
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

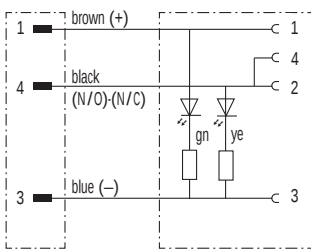
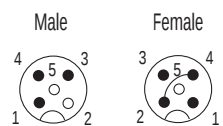
Connection cable
M12 - M12

Male
straight

Female
90°, with LED



Approvals:  **UL** [®] **US**

1	Form	No.	4 0 3 8 1				
	Suppression / Circuit diagram		3-pole with 2 x LED (PNP)				
							
			(NPN) on request				
	Contact layout						
2	Cable type	Jacket color					
	Wire diameter 0.34 mm²	yellow	gray	black			
	PVC	013	213	613			
	PUR / PVC	023	223	623			
	PUR (UL / CSA-listed)	033	233	633			
	Suitable for robot cable (irradiated)	053	253	653			
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		7000 Murrelektronik Standard					
		1	Form	2	Cable type	3	Cable length
Notes							

Notes

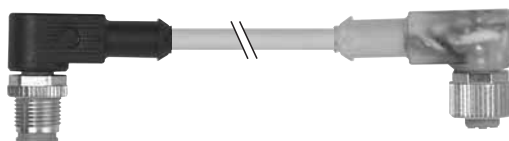
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

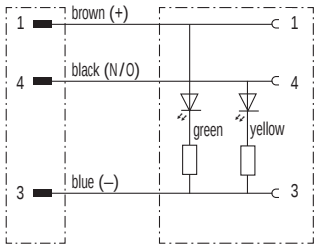
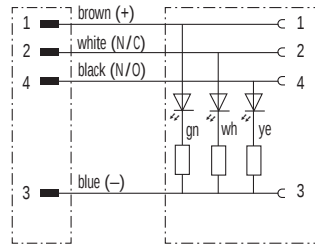
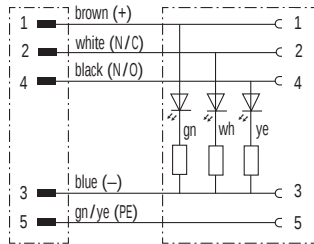
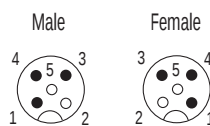
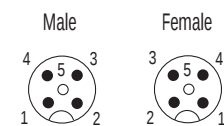
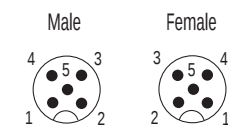
Male
90°

Female
90°, with LED



Approvals: 

Round plug connector M12

1	Form	No.	4 0 4 0 1			4 0 4 2 1			4 0 4 4 1										
	Suppression / Circuit diagram		3-pole with 2 x LED (PNP)			4-pole with 3 x LED (PNP)			5-pole with 3 x LED (PNP)										
																			
			(NPN) on request			(NPN) on request			(NPN) on request										
	Contact layout																		
2	Cable type	Jacket color				Jacket color			Jacket color										
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black	yellow	gray	black									
	PVC	013	213	613	014	214	614	015	215	615									
	PUR / PVC	023	223	623	024	224	624	025	225	625									
	PUR (UL / CSA-listed)	033	233	633	034	234	634	035	235	635									
	Suitable for robot cable (irradiated)	053	253	653	054	254	654	055	255	655									
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	7000 — — — — — Murrelektronik Standard																	
		1			Form			2			Cable type			3			Cable length		

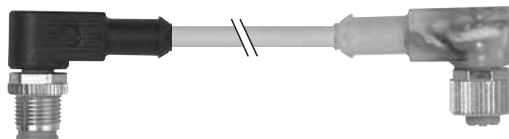
Accessories and technical data in chapter 1.10.
Further cable length on request.

Round plug connector M12

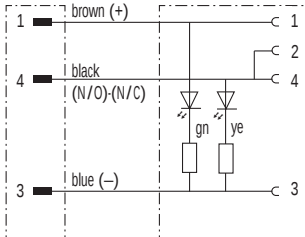
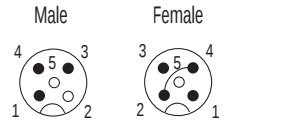
Connection cable
M12 - M12

Male
90°

Female
90°, with LED



Approvals: 

1	Form	No.	4 0 4 6 1				
	Suppression / Circuit diagram		3-pole with 2 x LED (PNP)				
			 (NPN) on request				
Contact layout							
2	Cable type	Jacket color					
	Wire diameter 0.34 mm²	yellow	gray	black			
	PVC	013	213	613			
	PUR / PVC	023	223	623			
	PUR (UL / CSA-listed)	033	233	633			
	Suitable for robot cable (irradiated)	053	253	653			
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		7000 Murrelektronik Standard	-	— — — — —	-	— — — — —	— — — — —
Notes							
		1	Form	2	Cable type	3	Cable length

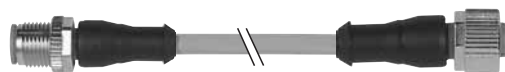
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

Male
straight, shielded

Female
straight, shielded



Approvals: 

Round plug connector M12

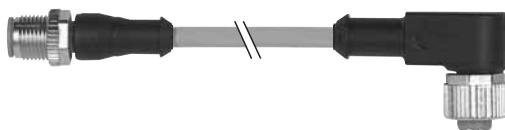
1	Form	No.	4 0 4 8 1	4 0 5 0 1	4 0 5 2 1
	Suppression / Circuit diagram		3-pole	4-pole	5-pole
	Contact layout				
2	Cable type	Jacket color	Jacket color	Jacket color	
	Wire diameter 0.34 mm²	gray	gray	gray	
	PVC	317	330	348	
	PUR/PVC	318	331	349	
3	Cable length				
	0.3 m	0030			
	0.6 m	0060			
	1.0 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		7000 - - 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 M12

Connection cable
M12 - M12

Male
straight, shielded

Female
90°, shielded



Approvals: 

1	Form	No.	4 0 5 4 1			
	Suppression / Circuit diagram		5-pole			
			1 2 4 3 5 1 2 4 3 5 Shield brown (+) white (N/C) black (N/O) blue (-) gn/ye (PE)			
	Contact layout		Male Female			
2	Cable type	Jacket color				
	Wire diameter 0.34 mm²		gray			
	PVC		348			
	PUR/PVC		349			
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 - -				
		1 Form 2 Cable type 3 Cable length				
Notes						

Round plug connector M12



Connection cable
M12 - M12

Male
straight, shielded

Female
straight, shielded

DESINA®



Approvals:

Round plug connector M12

1	Form	No.	4 0 5 0 1		
	Suppression / Circuit diagram	4-pole			
	Contact layout				
2	Cable type	Jacket color			
	Wire diameter 0.34 mm²	green			
	PUR	820 DESINA®			
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 M12

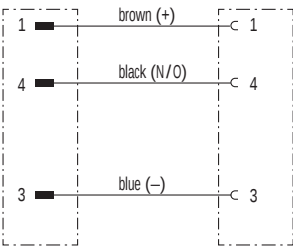
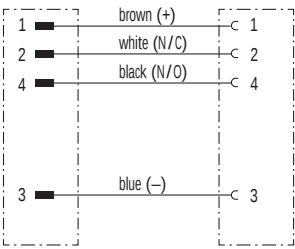
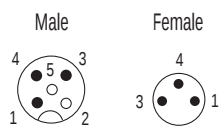
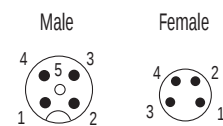
Connection cable
M12 - M8

Male
straight

Female
straight



Approvals: 

1	Form	No.	4 0 5 6 1			4 0 5 8 1							
	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		7000 Murrelektronik Standard											
		1		Form		2		Cable type		3		Cable length	
Notes													

Round plug connector M12

Notes

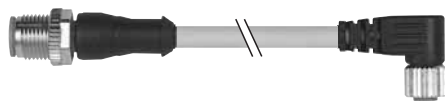
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M8

Male
straight

Female
90°



Approvals: 

1

Form

No.

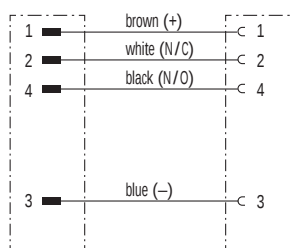
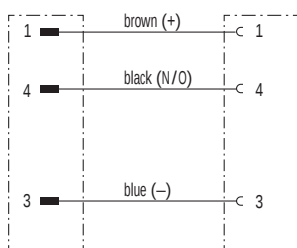
4 0 6 0 1

4 0 6 2 1

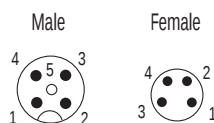
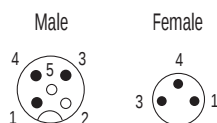
Suppression / Circuit diagram

3-pole

4-pole



Contact layout



2

Cable type

Jacket color

Jacket color

Wire diameter 0.25 mm²

PVC
PUR / PVC
PUR (UL / CSA-listed)
Suitable for robot cable (irradiated)

yellow	gray	black	yellow	gray	black
010	210	610	011	211	611
020	220	620	021	221	621
030	230	630	031	231	631
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

7 0 0 0
Murrelektronik
Standard

-

— — — — —

-

— — — — —

— — — — —

1

Form

2

Cable type

3

Cable length

Notes

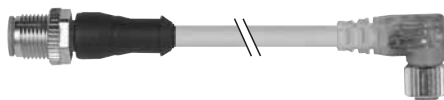
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

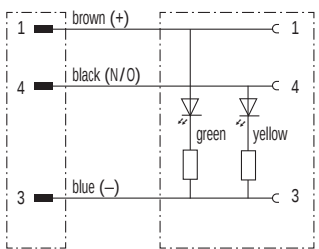
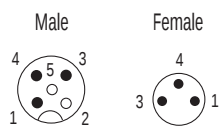
Connection cable
M12 - M8

Male
straight

Female
90°, with LED



Approvals:  **us**

1	Form	No.	4 0 6 4 1					
	Suppression / Circuit diagram	3-pole with 2 x LED (PNP)						
	 (NPN) on request							
	Contact layout	Male Female 						
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	7000 Murrelektronik Standard	-	— — — — —	-	— — — — —	— — — — —	
			1	Form	2	Cable type	3	Cable length
	Notes							

Round plug connector M12

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

Round plug connector M12

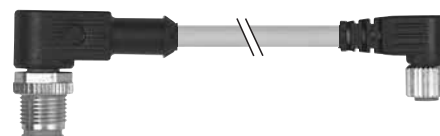
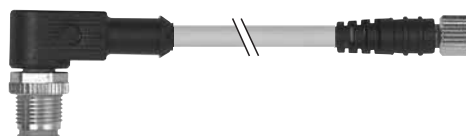
Connection cable
M12 - M8

Male
straight

Female
straight

Male
straight

Female
90°



Approvals:

1

Form

No.

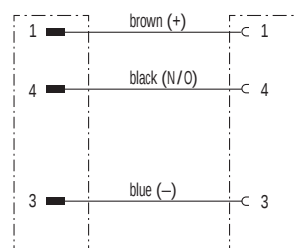
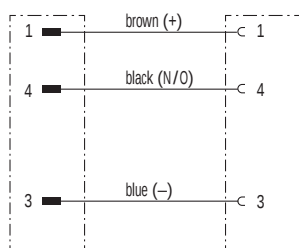
4 0 6 6 1

4 0 6 8 1

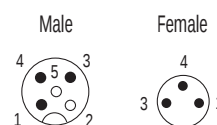
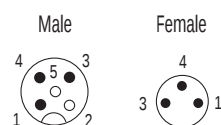
Suppression / Circuit diagram

3-pole

3-pole



Contact layout



2

Cable type

Jacket color

Jacket color

Wire diameter 0.25 mm²

PVC

PUR / PVC

PUR (UL / CSA-listed)

Suitable for robot cable (irradiated)

yellow

gray

black

yellow

gray

black

010

210

610

010

210

610

020

220

620

020

220

620

030

230

630

030

230

630

050

250

650

050

250

650

3

Cable length

0.3 m

0.6 m

1.0 m

1.5 m

2.0 m

0030

0060

0100

0150

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

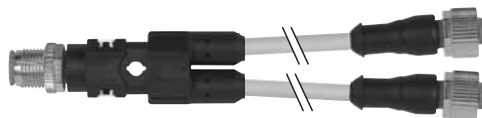
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

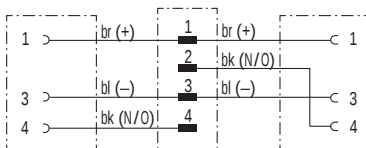
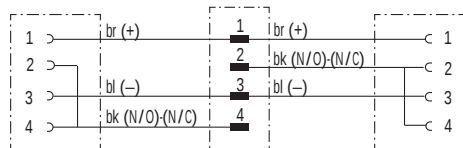
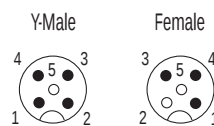
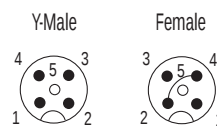
Connection cable
M12 - M12

Y Distributor
Male, straight

Female
straight



Approvals: 

1	Form	No.	4 0 7 0 1			4 0 7 2 1							
	Suppression / Circuit diagram		4-pole			4-pole							
													
Contact layout													
2	Cable type	Jacket color			Jacket color								
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black						
	PVC	013	213	613	013	213	613						
	PUR / PVC	023	223	623	023	223	623						
	PUR (UL / CSA-listed)	033	233	633	033	233	633						
	Suitable for robot cable (irradiated)	053	253	653	053	253	653						
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		7000 — — — — — — — — — — — — — Murrelektronik Standard											
		1		Form		2		Cable type		3		Cable length	
Notes													

Round plug connector M12

Notes

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

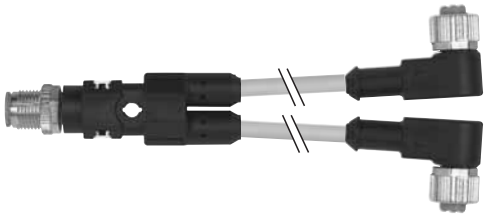
Round plug connector M12



Connection cable
M12 - M12

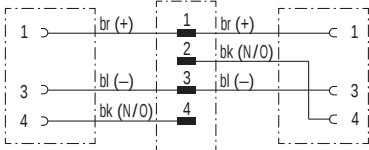
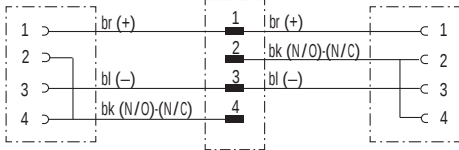
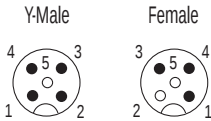
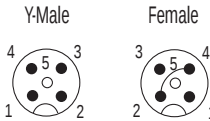
Y Distributor
Male, straight

Female
90°



Approvals:

Round plug connector M12

1	Form	No.	4 0 7 4 1			4 0 7 6 1							
	Suppression / Circuit diagram		4-pole			4-pole							
													
	Contact layout												
2	Cable type	Jacket color				Jacket color							
	Wire diameter 0.34 mm²	yellow	gray	black	yellow	gray	black						
	PVC	013	213	613	013	213	613						
	PUR / PVC	023	223	623	023	223	623						
	PUR (UL / CSA-listed)	033	233	633	033	233	633						
	Suitable for robot cable (irradiated)	053	253	653	053	253	653						
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	7000 Murrelektronik Standard - -											
		1		Form		2		Cable type		3		Cable length	
Notes													

Notes

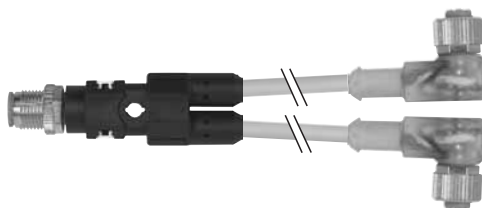
Accessories and technical data in chapter 1.10.
Further cable lengths on request.

Round plug connector M12

Connection cable
M12 - M12

Y Distributor
Male, straight

Female
90°, with LED



Approvals: **us**

1	Form	No.	4 0 7 8 1			4 0 8 0 1							
	Suppression / Circuit diagram		4-pole with 2 x LED (PNP)			4-pole with 2 x LED (PNP)							
		(NPN) on request			(NPN) on request								
Contact layout													
2	Cable type	Jacket color			Jacket color								
	Wire diameter 0.34 mm ²	yellow	gray	black	yellow	gray	black						
	PVC	013	213	613	013	213	613						
	PUR / PVC	023	223	623	023	223	623						
	PUR (UL / CSA-listed)	033	233	633	033	233	633						
	Suitable for robot cable (irradiated)	053	253	653	053	253	653						
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		7000 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 M12

Connection cable
M12 - M8

Y Distributor
Male, straight

Female
straight



Approvals: 

1

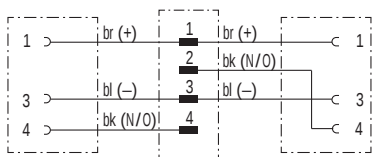
Form

No.

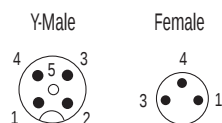
4 0 8 2 1

Suppression / Circuit diagram

4-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

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 M12

Connection cable
M12 - M8

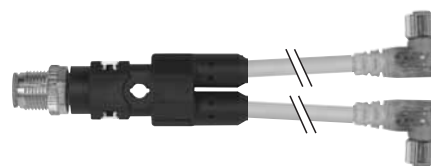
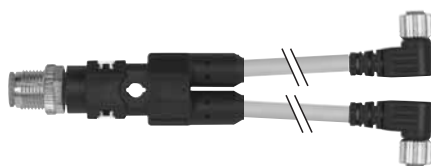
Y Distributor
Male, straight

Female
90°

Y Distributor
Male, straight

Female
90°, with LED

Approvals: 



1	Form No.	4 0 8 4 1	4 0 8 6 1																																								
	Suppression / Circuit diagram	4-pole	4-pole with 2 x LED (PNP) (NPN) on request																																								
	Contact layout	Y-Male Female	Y-Male Female																																								
2	Cable type	Jacket color <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</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> </tr> <tr> <td>PUR / PVC</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> </tr> <tr> <td>Suitable for robot cable (irradiated)</td> <td>050</td> <td>250</td> <td>650</td> </tr> </tbody> </table>	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	Jacket color <table border="1"> <thead> <tr> <th>Wire diameter 0.25 mm²</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> </tr> <tr> <td>PUR / PVC</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> </tr> <tr> <td>Suitable for robot cable (irradiated)</td> <td>050</td> <td>250</td> <td>650</td> </tr> </tbody> </table>	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
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																																								
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 0.6 m 1.0 m 1.5 m 2.0 m	0030 0060 0100 0150 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 M12



Connection cable
M12 - M12

T-coupler
Male, straight to
Female, straight



Round plug connector M12

1	Form	No.	4 1 1 2 1	4 1 1 4 1	4 1 1 6 1	4 1 1 8 1														
Suppression / Circuit diagram		5-pole	1. Female M12 2. Female Male M12	1. Female M12 2. Female Male M12	1. Female M12 2. Female Male M12	1. Female M12 2. Female Male M12														
Contact layout		Male Female	Male Female	Male Female	Male Female															
Technical data		<table><tr><td>Supply voltage</td><td>125 V AC/DC</td></tr><tr><td>Supply voltage</td><td>4 A</td></tr><tr><td>Contact resistance</td><td>≤ 5 mOhm</td></tr><tr><td>Test voltage</td><td>0.8 kV_{eff}</td></tr><tr><td>Protection</td><td>IP67 when plugged and screwed down (EN 60529)</td></tr><tr><td>Temperature range</td><td>-25...+85 °C</td></tr><tr><td>Dimensions (H x W x D)</td><td>45 x 35 x 15 mm</td></tr></table>					Supply voltage	125 V AC/DC	Supply voltage	4 A	Contact resistance	≤ 5 mOhm	Test voltage	0.8 kV _{eff}	Protection	IP67 when plugged and screwed down (EN 60529)	Temperature range	-25...+85 °C	Dimensions (H x W x D)	45 x 35 x 15 mm
Supply voltage	125 V AC/DC																			
Supply voltage	4 A																			
Contact resistance	≤ 5 mOhm																			
Test voltage	0.8 kV _{eff}																			
Protection	IP67 when plugged and screwed down (EN 60529)																			
Temperature range	-25...+85 °C																			
Dimensions (H x W x D)	45 x 35 x 15 mm																			
Your article no.		7 0 0 0 - - 0 0 0 0 0 0 0																		
The composition of your article number is explained on page 1.1.2		7 0 0 0 - - 0 0 0 0 0 0 0																		
Notes		1 Form																		

Round plug connector M12

Connection cable
M12 - M8

T-coupler
Male, straight to
Female, straight



1	Form	No.	4 1 2 0 1	4 1 2 2 1		
Suppression / Circuit diagram			4-pole	3-pole		
			1. Female M8 2. Female Male M12	1. Female M8 2. Female Male M12		
Contact layout			Male Female	Male Female		
Technical data						
Supply voltage			24 V AC/DC			
Supply voltage			4 A			
Contact resistance			≤ 5 mOhm			
Test voltage			0.8 kV _{eff}			
Protection			IP67 when plugged and screwed down (EN 60529)			
Temperature range			-25...+85 °C			
Dimensions (H x W x D)			45 x 33 x 15 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						