MURR ELEKTRONIK

stay connected

Cable Selection Guide

7	0	0	0	—	4	0	1	2	1	—	2	3	4	0	3	0	0

Thread Material
7000 - Standard
7002 - 304 Stainless
7004 - 316 Stainless
7005 - Plastic
7014 - Food & Bev.
7044 - M12 Steel
7050 - MQ12 (M12)

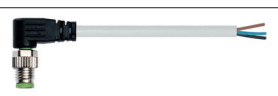
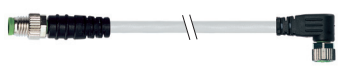
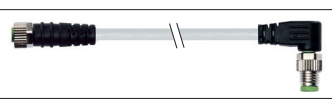
Jacket Color
0 - Yellow
2 - Gray
6 - Black

Cable Type
1 - PVC
2 - PUR/PVC
3 - PUR
5 - Robotic

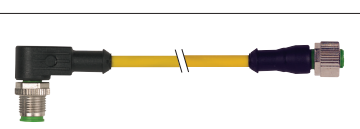
Length
.3m = 0030
.6m = 0060
1m = 0100
1.5m = 0150
2m = 0200
3m= 0300
5m = 0500
7.5m = 0750
10m = 1000

Cable Type-Conductor
0 - 3 x 24 AWG
1 - 4 x 24 AWG
3 - 3 x 22 AWG
4 - 4 x 22 AWG
5 - 5 x 22 AWG

M8

Single Ended	08001		3 pole
	08011		4 pole
	08021		3 pole
	08031		4 pole
	08041		3 pole
	08061		4 pole
	08081		3 pole
	08101		4 pole
Double Ended	88001		3 pole
	88011		4 pole
	88021		3 pole
	88031		4 pole
	88061		3 pole
	88071		4 pole

M12

Single Ended	12001		3 pole
	12021		4 pole
	12041		5 pole
	12081		3 pole
	12101		4 pole
	12121		5 pole
	12181		3 pole
	12221		4 pole
	12241		5 pole
	12321		3 pole
	12341		4 pole
	12361		5 pole
Double Ended	40001		3 pole
	40021		4 pole
	40041		5 pole
	40101		3 pole
	40121		4 pole
	40141		5 pole
	40171		3 pole
	40201		4 pole
	40221		5 pole

Conversion Chart

AWG	30	28	26	24	22	21	20	18	17	16	14	12	10	8
mm²	.05	.08	.14	.25	.34	.38	.5	.75	1	1.5	2.5	4	6	10

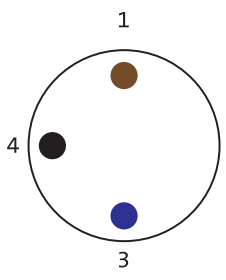
Cable Flex Ratings

PVC	PUR/PVC	PUR	Robotic
Economical cable ideally suited for a static and less demanding use	Flexible control cable for higher mechanical demands inside and outside.	Continuously flexible control cable for use in extremely demanding environments such as machine tools, swivel tables, metal cutting, manufacturing & C-tracks.	Continuously flexible control cable for extremely demanding environments including industry & welding robots & high-speed C-tracks.
Static	**C-Track Data:** • Bending Radius = max. 10x cable diameter • Travel Velocity = 3.3 m/s at 5m horizontal travel distance and max. acceleration of 5 m/s² • No. of Bending Cycles = >2 million	**C-Track Data:** • Bending Radius = max. 10x cable diameter • Travel Velocity = 3.3 m/s at 5m horizontal travel distance and max. acceleration of 5 m/s² • No. of Bending Cycles = >5 million • Torsion = ±180°/m	**C-Track Data:** • Bending Radius = max. 10x cable diameter • Travel Velocity = 3.3 m/s at 5m horizontal travel distance and max. acceleration of 5 m/s² • No. of Bending Cycles = >10 million • Torsion = ±360°/m

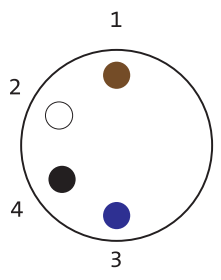
M8 & M12 Pin & Wire Color Assignments

M8

1. Brown (+24)
4. Black (N/O)
3. Blue (-)

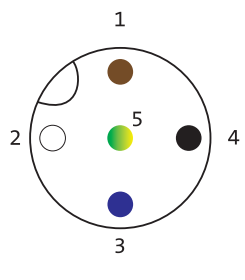


1. Brown (+)
2. White (N/C)
3. Blue (-)
4. Black (N/O)

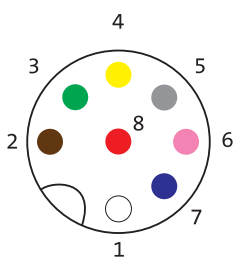


M12

1. Brown (+24)
2. White (N/C)
3. Blue (-)
4. Black (N/O)
5. Green/Yellow - Earth Ground



1. White
2. Brown
3. Green
4. Yellow
5. Gray
6. Pink
7. Blue
8. Red



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