

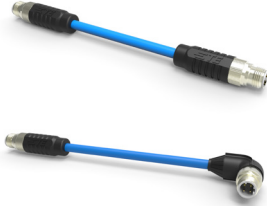
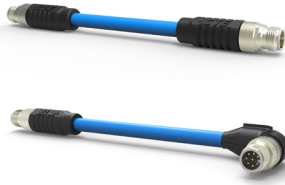
M12 Cable Assemblies

M12 RAIL CONNECTORS SERIES

Left connector	D4-M Straight	D4-M Straight	A8-M Straight	A8-M Straight	X8-M straight
Cable	TE CAT5e cable PN2320808-1	TE CAT5e cable PN2320808-1	TE CAT7 Cable PN2297799-1	TE CAT7 Cable PN2297799-1	TE CAT7 Cable PN2297799-1
Max. Data Speed	100Mb/s	100Mb/s	1Gb/s	1Gb/s	10Gb/s
Right connector	D4-M Straight	D4-M Right Angle	A8-M Straight TE	A8-M Right Angle	X8-M straight
Image					
1.0m	2322330-1	2322422-1	2322421-1	2322423-1	1-2317142-1
1.5m	2322330-2	2322422-2	2322421-2	2322423-2	1-2317142-2
2.0m	2322330-3	2322422-3	2322421-3	2322423-3	1-2317142-3
2.5m	2322330-4	2322422-4	2322421-4	2322423-4	1-2317142-4
3.0m	2322330-5	2322422-5	2322421-5	2322423-5	1-2317142-5
3.5m	2322330-6	2322422-6	2322421-6	2322423-6	1-2317142-6
4.0m	2322330-7	2322422-7	2322421-7	2322423-7	1-2317142-7
4.5m	2322330-8	2322422-8	2322421-8	2322423-8	1-2317142-8
5.0m	2322330-9	2322422-9	2322421-9	2322423-9	1-2317142-9
5.5m	1-2322330-0	1-2322422-0	1-2322421-0	1-2322423-0	2-2317142-0
6.0m	1-2322330-1	1-2322422-1	1-2322421-1	1-2322423-1	2-2317142-1
6.5m	1-2322330-2	1-2322422-2	1-2322421-2	1-2322423-2	2-2317142-2
7.0m	1-2322330-3	1-2322422-3	1-2322421-3	1-2322423-3	2-2317142-3
7.5m	1-2322330-4	1-2322422-4	1-2322421-4	1-2322423-4	2-2317142-4
8.0m	1-2322330-5	1-2322422-5	1-2322421-5	1-2322423-5	2-2317142-5
8.5m	1-2322330-6	1-2322422-6	1-2322421-6	1-2322423-6	2-2317142-6
9.0m	1-2322330-7	1-2322422-7	1-2322421-7	1-2322423-7	2-2317142-7
9.5m	1-2322330-8	1-2322422-8	1-2322421-8	1-2322423-8	2-2317142-8
10.0m	1-2322330-9	1-2322422-9	1-2322421-9	1-2322423-9	2-2317142-9
10.5m	2-2322330-0	2-2322422-0	2-2322421-0	2-2322423-0	3-2317142-0
11.0m	2-2322330-1	2-2322422-1	2-2322421-1	2-2322423-1	3-2317142-1
11.5m	2-2322330-2	2-2322422-2	2-2322421-2	2-2322423-2	3-2317142-2
12.0m	2-2322330-3	2-2322422-3	2-2322421-3	2-2322423-3	3-2317142-3
12.5m	2-2322330-4	2-2322422-4	2-2322421-4	2-2322423-4	3-2317142-4
13.0m	2-2322330-5	2-2322422-5	2-2322421-5	2-2322423-5	3-2317142-5
13.5m	2-2322330-6	2-2322422-6	2-2322421-6	2-2322423-6	3-2317142-6
14.0m	2-2322330-7	2-2322422-7	2-2322421-7	2-2322423-7	3-2317142-7
14.5m	2-2322330-8	2-2322422-8	2-2322421-8	2-2322423-8	3-2317142-8
15.0m	2-2322330-9	2-2322422-9	2-2322421-9	2-2322423-9	3-2317142-9
15.5m	3-2322330-0	3-2322422-0	3-2322421-0	3-2322423-0	4-2317142-0
16.0m	3-2322330-1	3-2322422-1	3-2322421-1	3-2322423-1	4-2317142-1
16.5m	3-2322330-2	3-2322422-2	3-2322421-2	3-2322423-2	4-2317142-2
17.0m	3-2322330-3	3-2322422-3	3-2322421-3	3-2322423-3	4-2317142-3
17.5m	3-2322330-4	3-2322422-4	3-2322421-4	3-2322423-4	4-2317142-4
18.0m	3-2322330-5	3-2322422-5	3-2322421-5	3-2322423-5	4-2317142-5
18.5m	3-2322330-6	3-2322422-6	3-2322421-6	3-2322423-6	4-2317142-6
19.0m	3-2322330-7	3-2322422-7	3-2322421-7	3-2322423-7	4-2317142-7
19.5m	3-2322330-8	3-2322422-8	3-2322421-8	3-2322423-8	4-2317142-8
20.0m	3-2322330-9	3-2322422-9	3-2322421-9	3-2322423-9	4-2317142-9

M12 PCB/Panel Connectors 8/12Pin

CABLE ASSEMBLY SPECIFICATIONS

			
	CAT5e with D4-Male	CAT7 with A8-Male	CAT7 with X8-Male
No of pairs	2 (Quad core)	4 (individually shielded)	
Cross section	22 AWG	24 AWG	
Connector Gender	Male (pin)		
Coding	D-coding	A-coding	X-coding
Temperature Range	-40°C to 85°C (without cable boot), -40°C to 70°C (with cable boot)		
Current rating	4A	2A	0.5A
Operational voltage	50V	30V	48V
Max Data transmission rate	100Mbit/s	1Gbit/s	10Gbit/s
IP rating	IP67		
Mating cycles in Durability	>250 mating cycles		
Standards	EN61373 Cat1 Class B, NFF-16-101 I2/F2, EN45545-2 HL3 R22/R23		

PIN ASSIGNMENTS

From	Cable type			To
Pin	D4-D4	A8-A8	X8-X8	Pin
1	Yellow	White Orange	White Orange	1
2	White	Orange	Orange	2
3	Orange	White Green	White Green	3
4	Blue	Blue	Green	4
5	-	Green	White Brown	5
6	-	White Blue	Brown	6
7	-	White Brown	White Blue	7
8	-	Brown	Blue	8