

| M12 Power

High capacity in a small package

Introducing M12 Power, the next generation of connectivity for power installations. M12 Power has a smaller overall size, combined with higher current capacity, as compared to 7/8" connectors. These connectors will enable you to realize connectivity solutions that were previously impossible.

Compared with Mini-A (7/8") M12 Power is smaller but, with its special coding designs, it handles a maximum of 16A per pin. Power connectors are designed to meet a more stringent UL certification (UL2237) that ensures safe operation given the high voltage & high current potential of these connectors.

M12 Power connectors are made up of 4 variations that divide the group by both application voltage and use case:

L-code

- Most prevalent in the market and the primary alternative to Mini-A (7/8")
- 4-pole (black contact carrier) or 5-pole (gray contact carrier) options
- Rated for applications to 63V DC

T-code

- 4-pole with Murrelektronik green contact carrier
- Rated for applications to 63V DC

S-code

- Designed to handle 3-phase, 3-wire power connections, plus Protective Earth (PE)
- 4-pole connector with Murrelektronik Green contact carrier.
- Rated for applications to 630v AC

K-code

- Designed to handle 3-phase 4-wire power connections, plus Protective Earth (PE)
- 5-pole connector with Murrelektronik Green contact carrier
- Rated for applications to 630v AC



	63V DC	630V AC
5-pole	<p>L-code</p>	<p>K-code</p>
4-pole	<p>T-code</p>	<p>S-Code</p>

Related MURRELEKTRONIK Products

Emparro



Cube67



Solid67





Impact67/MVK



Ethernet Cable



	DC			AC	
	L		T	S	K
					
	4p - Black	5p - Gray	4p	4p	5p
 Male Straight	7_00-P4101-xxxxyyy	7_00-P4201-xxxxyyy	7_00-P7201-xxxxyyy	7_00-P6201-xxxxyyy	7_00-P3201-xxxxyyy
 Male 90°	7_00-P4111-xxxxyyy	7_00-P4211-xxxxyyy	7_00-P7211-xxxxyyy	7_00-P6211-xxxxyyy	7_00-P3211-xxxxyyy
 Female Straight	7_00-P4121-xxxxyyy	7_00-P4221-xxxxyyy	7_00-P7221-xxxxyyy	7_00-P6221-xxxxyyy	7_00-P3221-xxxxyyy
 Female 90°	7_00-P4131-xxxxyyy	7_00-P4231-xxxxyyy	7_00-P7231-xxxxyyy	7_00-P6231-xxxxyyy	7_00-P3231-xxxxyyy
 Male Straight to Female Straight	7_00-P4141-xxxxyyy	7_00-P4241-xxxxyyy	7_00-P7241-xxxxyyy	7_00-P6241-xxxxyyy	7_00-P3241-xxxxyyy
 Male Straight to Female 90°	7_00-P4151-xxxxyyy	7_00-P4251-xxxxyyy	7_00-P7251-xxxxyyy	7_00-P6251-xxxxyyy	7_00-P3251-xxxxyyy
 Male 90° to Female Straight	7_00-P4161-xxxxyyy	7_00-P4261-xxxxyyy	7_00-P7261-xxxxyyy	7_00-P6261-xxxxyyy	7_00-P3261-xxxxyyy
 Male 90° to Female 90°	7_00-P4171-xxxxyyy	7_00-P4271-xxxxyyy	7_00-P7271-xxxxyyy	7_00-P6271-xxxxyyy	7_00-P3271-xxxxyyy
 Male Receptacle (Nut NOT Included)	7000-P4181-944yyy	7000-P4281-980yyy	7000-P7281-941yyy	7000-P6281-940yyy	7000-P3281-988yyy
 Female Receptacle (Nut NOT Included)	7000-P4191-944yyy	7000-P4291-980yyy	7000-P7291-941yyy	7000-P6291-940yyy	7000-P3291-988yyy
 T-Coupler		7000-P4901-0000000		7000-P6901-0000000	

Cable Code (xxx)							
			Head Type				
Type	Size	Color	4-pole L	5-pole L	4-pole T	4-pole S	5-pole K
Use the 7000 prefix with the following cable types							
PUR UL/CSA+ drag chain	1.5mm ²	Black	P07	P04	P07	P16	P15
Use the 7700 prefix with the following cable types							
TPE UL/CSA, TC-ER, IEC	16AWG	Yellow	U0C	U0D	U0C		
	14AWG*		U0N	U0P	U0N		
			Black				

*14AWG only compatible with straight connectors

Standard Lengths (yyyy)							
Single Ended				Double Ended			
1.5m (0150)	3m (0300)	5m (0500)	10m (1000)	0.3m (0030)	0.6m (0060)	1m (0100)	1.5m (0150)
				2m (0200)	3m (0300)	5m (0500)	10m (1000)