

| 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



To complete the part number, make your selections from the two tables below to get the numbers you need. First, select a cable style and type. Next, in the Cable Code chart, select your head type, then select a cable type. Once you have chosen those, select a size and color to fill in the first half of your article number.

	DC			AC	
	L	T	S	K	
	 4p - Black	 5p - Gray	 4p	 4p	 5p
 Male Straight	7_00-P4101-xxxxyyyy	7_00-P4201-xxxxyyyy	7_00-P7201-xxxxyyyy	7_00-P6201-xxxxyyyy	7_00-P3201-xxxxyyyy
 Male 90°	7_00-P4111-xxxxyyyy	7_00-P4211-xxxxyyyy	7_00-P7211-xxxxyyyy	7_00-P6211-xxxxyyyy	7_00-P3211-xxxxyyyy
 Female Straight	7_00-P4121-xxxxyyyy	7_00-P4221-xxxxyyyy	7_00-P7221-xxxxyyyy	7_00-P6221-xxxxyyyy	7_00-P3221-xxxxyyyy
 Female 90°	7_00-P4131-xxxxyyyy	7_00-P4231-xxxxyyyy	7_00-P7231-xxxxyyyy	7_00-P6231-xxxxyyyy	7_00-P3231-xxxxyyyy
 Male Straight to Female Straight	7_00-P4141-xxxxyyyy	7_00-P4241-xxxxyyyy	7_00-P7241-xxxxyyyy	7_00-P6241-xxxxyyyy	7_00-P3241-xxxxyyyy
 Male Straight to Female 90°	7_00-P4151-xxxxyyyy	7_00-P4251-xxxxyyyy	7_00-P7251-xxxxyyyy	7_00-P6251-xxxxyyyy	7_00-P3251-xxxxyyyy
 Male 90° to Female Straight	7_00-P4161-xxxxyyyy	7_00-P4261-xxxxyyyy	7_00-P7261-xxxxyyyy	7_00-P6261-xxxxyyyy	7_00-P3261-xxxxyyyy
 Male 90° to Female 90°	7_00-P4171-xxxxyyyy	7_00-P4271-xxxxyyyy	7_00-P7271-xxxxyyyy	7_00-P6271-xxxxyyyy	7_00-P3271-xxxxyyyy
Male Receptacle (Nut NOT Included)	7000-P4181-944yyyy	7000-P4281-980yyyy	7000-P7281-941yyyy	7000-P6281-940yyyy	7000-P3281-988yyyy
Female Receptacle (Nut NOT Included)	7000-P4192-944yyyy	7000-P4292-980yyyy	7000-P7292-941yyyy	7000-P6292-940yyyy	7000-P3292-988yyyy

Cable Code (xxx)						
1. Head Type		4-pole L	5-pole L	4-pole T	4-pole S	5-pole K
Wire Color		 Br, W, Bl, Blk	 Br, W, Bl, Blk, G	 Br, W, Bl, Blk	 Blk, Blk, Blk, G/Y	 Br, W, Bl, Blk, G/Y
2. Type	3. Size	4. Color	5. Article Number			
PUR UL/CSA+drag chain	1.5mm ²	Black	7000-...-P07yyyy	7000-...-P04yyyy	7000-...-P07yyyy	7000-...-P05yyyy
TPE UL/CSA, TC-ER, IEC	16AWG	Yellow	7700-...-U0Cyyyy	7700-...-U0Dyyyy	7700-...-U0Cyyyy	

Finally, select a length from the table below and your article number will be complete.

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)