



KGS-086x-WP Accessories



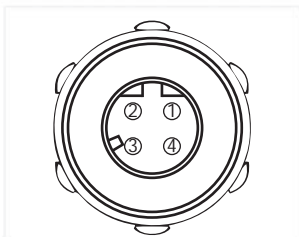
M12 to M12 Patch Cable



M12-D code to RJ-45 Patch Cable



M12DM-4-P Pin Number



M12-A code to RJ-45 Patch Cable



Patch Cables for Fast Ethernet Ports:

- IP65/67 protection with M12 connector
- M12 D-code connector compliant with IEC 61076-2-101
- HDPE Cat.5e for outdoor and harsh environment
- Temperature range -40°C to 80°C
- Solutions with RJ-45 (TIA/EIA-568B std.) for general purpose connection

Part numbers	1st end	Cord	2nd end	Length
C5EFPE-FMR-2	M12DM-4-P	Cat.5e/FTP/PE	RJ-45	2m
C5EFPE-FMR-20	M12DM-4-P	Cat.5e/FTP/PE	RJ-45	20m
C5EFPE-FMR-50	M12DM-4-P	Cat.5e/FTP/PE	RJ-45	50m
C5EFPE-FMR-100	M12DM-4-P	Cat.5e/FTP/PE	RJ-45	100m
C5EFPE-FMM-20	M12DM-4-P	Cat.5e/FTP/PE	M12DM-4-P	20m
C5EFPE-FMM-50	M12DM-4-P	Cat.5e/FTP/PE	M12DM-4-P	50m
C5EFPE-FMM-100	M12DM-4-P	Cat.5e/FTP/PE	M12DM-4-P	100m

Pin assignments:

1st end M12DM-4-P	Cat.5e/FTP/PE Cord wire color	2nd end	
		RJ-45	M12DM-4-P
Pin 1	White/orange	1	1
Pin 2	White/green	3	2
Pin 3	Orange solid	2	3
Pin 4	Green solid	6	4
-	Blue solid	4	-
-	White/blue	5	-
-	White/brown	7	-
-	Brown solid	8	-

Patch Cables for Gigabit Ethernet Ports:

- IP65/67 protection with M12 connector
- HDPE Cat.5e for outdoor harsh environment
- Temperature range -40°C to 80°C
- Solutions with RJ-45 (TIA/EIA-568B std.) for general purpose connection

Part numbers	1st end	Cord	2nd end	Length
C5EFPE-GMR-2	M12AM-8-P	Cat.5e/FTP/PE	RJ-45	2m
C5EFPE-GMR-20	M12AM-8-P	Cat.5e/FTP/PE	RJ-45	20m
C5EFPE-GMR-50	M12AM-8-P	Cat.5e/FTP/PE	RJ-45	50m
C5EFPE-GMR-100	M12AM-8-P	Cat.5e/FTP/PE	RJ-45	100m
C5EFPE-GMM-20	M12AM-8-P	Cat.5e/FTP/PE	M12AM-8-P	20m
C5EFPE-GMM-50	M12AM-8-P	Cat.5e/FTP/PE	M12AM-8-P	50m
C5EFPE-GMM-100	M12AM-8-P	Cat.5e/FTP/PE	M12AM-8-P	100m

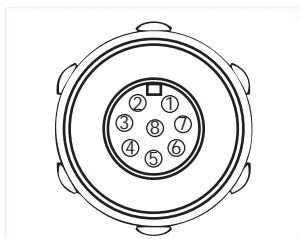


C5EFPE-GFMM-20	M12AM-8-P	Cat.5e/FTP/PE	M12DM-4-P	20m
C5EFPE-GFMM-50	M12AM-8-P	Cat.5e/FTP/PE	M12DM-4-P	50m
C5EFPE-GFMM-100	M12AM-8-P	Cat.5e/FTP/PE	M12DM-4-P	100m

Pin assignments:

1st end M12AM-8-P	Cat.5e/FTP/PE Cord wire color	2nd end		
		RJ-45	M12AM-8-P	M12DM-4-P
Pin 1	White/orange	1	1	2
Pin 2	Orange solid	2	2	4
Pin 3	White/green	3	3	1
Pin 4	Blue solid	4	4	-
Pin 5	White/blue	5	5	-
Pin 6	Green solid	6	6	3
Pin 7	White/brown	7	7	
Pin 8	Brown solid	8	8	

M12AM-8-P Pin Number



Patch Cables for Power Input & Console Port:

- IP65/67 protection with M23 and M12 connectors
- XLPE DC power cable and HDPE Cat.5e for outdoor harsh environment
- Console cable supports DB9 connection with bundled DB9 to RJ-45 plug adapter
- Temperature range -40°C to 80°C

PWR3PE-PMF-2



Part numbers	Type	1st end	Cord	2nd end	Length
PWR3PE-PMF-2	Power	M23F-6-M	PWR3PE	Free End	2m
C5EFPE-CMR-2	Console	M12AM-8-M	Cat.5e/FTP/PE	DB9	2m

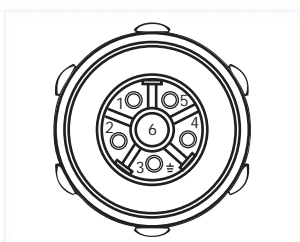
C5EFPE-CMR-2



DC power cable pin assignments:

1st end M23F-6-M	PWR3PE Cord wire color	Line
Pin 1	Red	DC+
Pin 2	Black	DC-
Pin 3	white	PE
Pin 4	-	-
Pin 5	-	-
Pin 6	-	-

M23F-6-M Pin Assignments



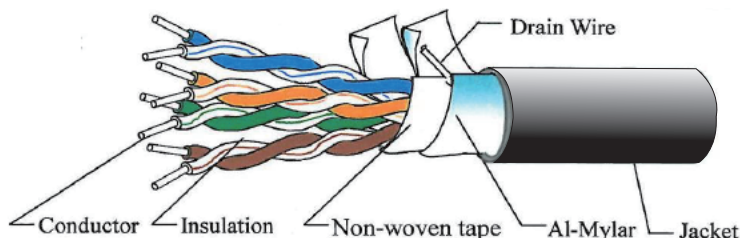
Console cable pin assignments:

1st end M12AM-8-P	Cat.5e/FTP/PE Cord wire color	2nd end RJ-45	DB9F-2-RJ45P Adapter -DB9	RS-232 signals
Pin 1	White/orange	1	9	-
Pin 2	Orange solid	2	1	-
Pin 3	White/green	3	4	-
Pin 4	Blue solid	4	5	SG
Pin 5	White/blue	5	2	RXD
Pin 6	Green solid	6	3	TXD
Pin 7	White/brown	7	8	-
Pin 8	Brown solid	8	7	-

Connector General Specifications:

Part number	M12DM-4-P plug	M12AM-8-P plug	M23F-6-M plug
Connector type	M12 D-coded male	M12 A-coded male	M23 female
Number of pins	4P	8P	5+PE
Pin material	Copper alloy, gold plated		
Nut material	Zinc alloy, nickel plated		
Wire guage	22 ~ 26 AWG		12 AWG
Protection	IP67		
Cord diameter	4.5 ~ 6.5mm		8.5 ~ 17.5mm
Temperature range	-40°C ~ 80°C		

Cat.5e/FTP/PE Cable Specifications:



Item	Specification	
Conductor	Material	Annealed copper
	Diameter	0.54mm (24AWG)
	Wires	4 twisted pairs
Insulation	Material	HDPE
	Thickness	0.247mm (24AWG)
	Diameter	1.03mm
Non-woven tape	Thickness	0.2mm
Drain wire	Material	Annealed tinned copper
Jacket	Material	PE
	Thickness	0.5mm
	Diameter	6.3mm
	Color	Black
Electrical characteristics	Cat.5e compliant	
Application environment	Outdoor	
Temperature range (continuous)	90°C	

PWR3PE Power Cable Specifications:

Item	Specification	
Conductor	Material	Annealed copper
	Diameter	1.8mm
Insulation	Thickness	0.76mm
	Material	XLPE
Number of wires	3	
Jacket	Material	PVC
	Thickness	1.14mm
	Final Diameter	10.4mm
	Color	Black
Temperature range (continuous)	90°C	

Optional Accessories:

Part Number	Description
M23F-6-M	M23 female, 6-pin cable plug, IP67, metal
M23-CAP-P	M23 connector cap, IP67, metal
M12-CAP-P	M12 connector cap, IP67, plastic
FO-CAP-P-L	Fiber adapter cap, IP67, plastic
FO-PLUG-P-L	Fiber port plug kit, IP67, plastic (See Remark*)
C5EFPE-XFF-305	Outdoor Cat.5e/FTP/PE cable with free ends, 305m
PWR3PE-100	XLPE power cable, 100m

Remark:

* FO-PLUG-P-L comes with 4 seals that support general 1.8mm and 2.8mm single fiber and duplex fibers.



Katron Technologies Inc.
 15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,
 Hsi-chih District, New Taipei City, Taiwan
 Tel: 886-2-2698-3878
 Fax: 886-2-2698-3873
 E-mail: kti@ktinet.com.tw
 URL: http://www.ktinet.com.tw

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