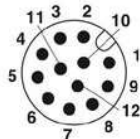


DATASHEET

Pass-through - Electrical - Cable - M12/12pin

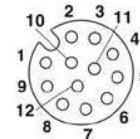


Part number: WM1-A-21-...

Gender male (**M**)

Pos.	Wire
1	BN
2	BU
3	WH
4	GN
5	PK
6	YE
7	BK
8	GY
9	RD
10	VT
11	OR (or GYPK)
12	Light GN (or

Orientation pin (rotation) can be different from the picture. Cables can be with green or black cap.
Conn. angle 90 deg => L-Shaped
Conn. angle 0 deg => I-Shaped

Gender female (**F**)

Cables

Cable PN	Fits to WINGMAN™ module PN		Cable connector A (Intended for WINGMAN™ module)						Length [m]	Cable connector B (Intended for robot or tool end)					
	WM1-A-11-01-01a	WM1-A-11-02-01a	Type	Pins	Gender	Rotation (deg.)	Code	Conn. angle (deg.)		Type	Pins	Gender	Rotation (deg.)	Code	Conn. angle (deg.)
WM1-A-21-02-01	A	-	M12	12	F	0	A	90	5	Open-end					
WM1-A-21-02-02	-	A	M12	12	M	0	A	90	5	Open-end					
WM1-A-21-01-01	(B)	A	M12	12	M	0	A	90	0,3	M12	12	F	0	A	0
WM1-A-21-01-04	A	(B)	M12	12	F	0	A	90	0,3	M12	12	M	0	A	0

(B) = Not recommended to use this cable end to connect to the WINGMAN™ module because this connector end is I-shaped (Conn. angle = 0 deg.) which takes up more space and risk of collision with the robot arm is greater.

(Cable length may vary up to 5-10%)