

PIN #	COLOR
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GRAY
6	PINK
7	BLUE
8	RED
9	ORANGE
10	TAN
11	BLACK
12	VIOLET

Technical drawing of the MDC-12FR-2 connector. The side view shows a cable with 12 colored wires (orange, red, blue, purple, green, yellow, gray, pink, light blue, light orange, black, violet) entering a cylindrical body. The body has a threaded section labeled '1/2-14 NPT' and a hexagonal base. Dimensions include a total length 'L', a threaded section length of 11.4 inches (295 mm), and a base diameter of 1.0 inches (25.4 mm). The front view shows the hexagonal base with an 'M12x1 FEMALE THREAD' and a central circular opening with 12 pins.

P/N	L
MDC-12FR-2	12" [0.3m]
MDC-12FR-2-0.5M	20" [0.5m]
MDC-12FR-2-1M	40" [1m]
MDC-12FR-2-2M	79" [2m]
MDC-12FR-2-3M	118" [3m]
MDC-12FR-2-5M	197" [5m]

OTHER LENGTHS AVAILABLE,
PLEASE CONSULT FACTORY

MATERIALS	
SHELL:	ANODIZED ALUMINUM
CONTACTS:	GOLD PLATED COPPER ALLOY
WIRES:	
STYLE:	UL1007/1569
AWG:	24 AWG
JACKET:	PVC
VOLTAGE:	300V
INSERT:	POLYAMIDE
O-RING:	FPM & NBR
NUT:	ZINC PLATED STEEL

APPROVALS	
US:	UL LISTED
CANADA:	C-UL LISTED
ROHS:	YES
CE & UKCA:	YES

RATINGS	
PROTECTION CLASS:	IEC IP69

FOR PARTS WHERE LENGTH "L" IS 15" [0.4m] OR GREATER,
AN O-RING AND LOCKNUT ARE INCLUDED

VOLTS	30V
AMPS	2A
TEMP:	105°C
DO NOT SCALE DRAWING	

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES AND [MM]

DRAWN BY	ADM
DRAWN DATE	03/14/2023
CHECKED BY	ADM
CHECK DATE	03/14/2023

MATERIAL

FINISH

COMMENTS:

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MENCOM CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MENCOM CORPORATION IS PROHIBITED.

MENCOM CORPORATION

TITLE:
12 PL FM MDC RECP

SIZE	DWG. NO.	REV
B	MDC-12FR-2-ZZ	B

SCALE: 2:1	WEIGHT:	SHEET 1 OF 1
------------	---------	--------------