

FRONT VIEW - FEMALE M12

NOTES:

1. MATERIAL: SEE TABLE

2. FINISH: SEE TABLE

3. ELECTRICAL:
VOLTAGE: 125V
CURRENT: 1.5A

4. TEMP RATING: -20°TO +105°C

5. PROTECTION: IP67 (WHEN MATED)

6. COUPLING THREAD: M12X1.0

7. UL LISTED FILE: E391772

8. ALL DIMENSIONS ARE FOR REFERENCE
UNLESS TOLERANCED OR NOTED OTHERWISE

MECHANICAL CHARACTERISTICS:

FLEX LIFE:	(126 CYCLES/MIN @ 20° C) 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS)
TORSIONAL FLEX:	(1 LB LOAD, 360°, 71 CYCLES/MIN @ 20° C) 3 MILLION CYCLE TEST

9	WRAP LABEL	VINYL	BLACK/YELLOW
8	RJ45 BOOT	PVC	BLACK
7	RJ45 PLUG	PC, PHOS-BRNZ	TRANSPARENT
6	OVERMOLD	PUR	BLACK
5	O-RING	VITON	RED
4	COUPLING NUT	BRASS	NICKEL PLATED
3	CONTACT SOCKET	COPPER ALLOY	GOLD OVER NICKEL
2	FEMALE INSERT, 4 POLE	PUR	BLACK
1	#24-4 TEAL ETHERNET CAT5E	TPE JACKET	TEAL
ITEM	DESCRIPTION	MATERIAL	FINISH

DOCUMENT STATUS

P1

RELEASE DATE

2024/01/08

13:25:52

PART NO

ENGINEERING NO.

FINISHED LENGTH

1201080688	E16A03004M010	1M [3FT 3 IN]
1201080600	E16A03004M050	5M [16FT 5 IN]
1201080769	E16A03004M150	15M [49FT 3 IN]

PART NUMBER LEGEND

E16A03004M010

FINISHED LENGTH
M005 = 0.5 METER
M010 = 1 METER
M100 = 10 METER

FRONT VIEW - MALE RJ45

FACE VIEW RJ-45

BOTTOM VIEW

RJ45 WIRING
1 - WHITE/ORANGE
2 - ORANGE
3 - WHITE/GREEN
4 - N/C
5 - N/C
6 - GREEN
7 - N/C
8 - N/C

FACE VIEW - M12 FEMALE

FINISHED LENGTH

M12

RJ45

WHITE/ORANGE-1

WHITE/GREEN-2

ORANGE-3

GREEN-4

1-WHITE/ORANGE

2-ORANGE

3-WHITE/GREEN

6-GREEN

WIRING DIAGRAM

CABLE LENGTH TOLERANCES

<.3M [1FT]: +19mm-0 [+.75in-0]

.3 - .9M [1 - 3FT]: +44.5mm-0 [+1.75in-0]

.9 - 1.8M [3 - 6FT]: +55.6mm-0 [+2.19in-0]

1.8 - 3.7M [6 - 12FT]: +88.9mm-0 [+3.50in-0]

3.7 - 7.3M [12 - 24FT]: +165.1mm-0 [+6.50in-0]

7.3-14.6M [24 - 48FT]: +317.5mm-0 [+12.50in-0]

14.6 - 30.5M [48-100FT]: +622.3mm-0 [+24.50in-0]

OVER 30M [100FT] +2% OF FINISHED LENGTH

FUNCTIONAL SYMBOLS

DIMENSION UNITS

SCALE

CURRENT REV DESC: DOCUMENT CHANGED TO GENERAL MARKET

F=0

E=0

P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

4 PLACES

3 PLACES

2 PLACES

1 PLACE

0 PLACES

mm

INCH

ANGULAR TOL ± ---- °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

EC NO: 773048

DRWN: ABENJAMINLW

CHK'D: RSILLER

APPR: RSILLER

INITIAL REVISION:

DRWN: RSTONE

APPR: BWOODMAN

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

2023/12/29

2024/01/08

2024/01/08

2019/08/13

2019/08/20

B-SIZE

120108

SEE CHART

GENERAL MARKET

1 OF 1

2024/01/08

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REVISION: B

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