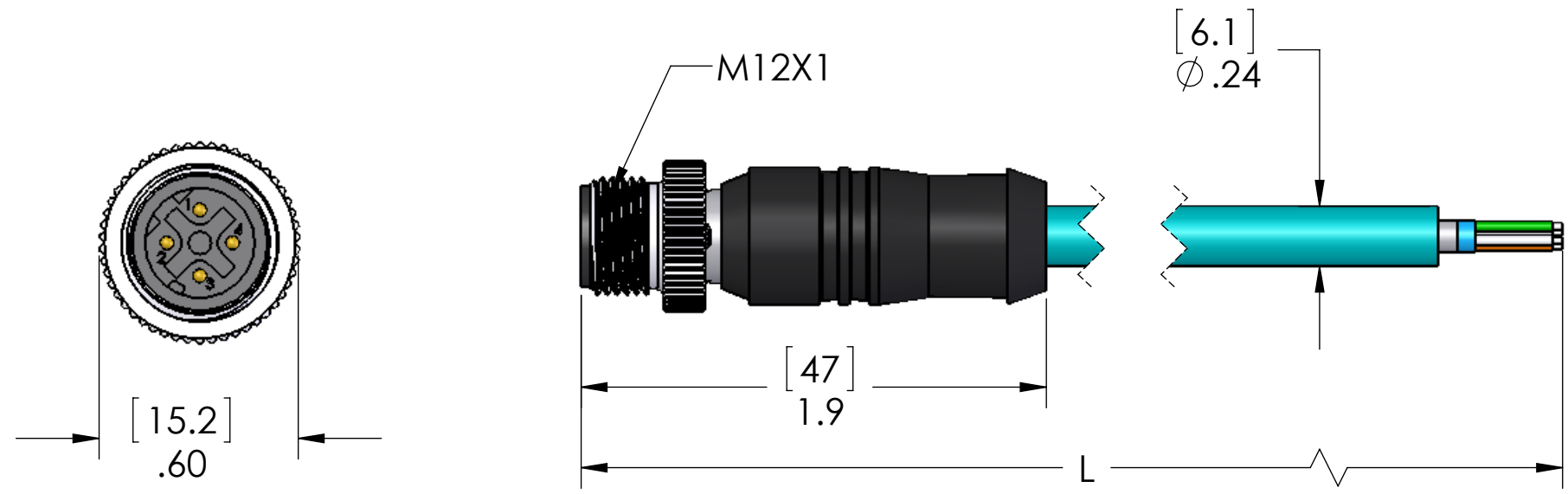


MDC	WIRE
PIN #	COLOR
1	WHITE w/ORANGE
2	WHITE w/GREEN
3	ORANGE
4	GREEN
SHIELD	COUPLING

REVISIONS			
REV.	DESCRIPTION	DATE	
A	INIT REL	10/31/2012	
B	CHG TO TEAL CBL	9/30/2014	



MATERIALS:	
BODY:	BLACK PUR
COUPLING:	NICKEL PLATED BRASS
INSERT:	POLYAMIDE
CONTACTS:	GOLD PLATED COPPER ALLOY
CABLE:	2 PR 26/2 CAT 5e PUR JKTD CABLE

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VOLTS	300V
AMPS	3A
TEMP	75°C
SPECIFICATIONS	

UNLESS OTHERWISE SPECIFIED:		NAME
DIMENSIONS ARE IN INCHES AND [MM]	DRAWN	BEM
	CHECKED	
	ENG APPR.	
	MFG APPR.	
	Q.A.	
MATERIAL		
FINISH		
DO NOT SCALE DRAWING		

TR ELECTRONIC		
TITLE:		
SIZE	DWG. NO.	REV
B	M124MADS-X-EIP	B
SCALE: 3:2	WEIGHT:	SHEET 1 OF 2

SPECIFICATIONS:	
CABLE JACKET MATERIAL:	POLYURETHANE, TEAL,
CABLE DIAMETER:	OVERALL CABLE DIAMETER .24" [6.1mm] , .25"[6.25mm] MAX.
COND. JACKET MATERIAL:	POLYOLEFIN,
COND. JACKET THICKNESS:	.01" [.25mm] NOM. WALL THICKNESS (RJ45 plug compatible)
COND. STRANDING:	26 AWG 7/34 STRANDED TINNED COPPER
PAIRING:	Grn x Wht/Grn + Org x Wht/Org
SHIELD:	AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100%COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.
WEIGHT:	Nom: 28.6#/Mft [42.6Kg/Km]
ELECTRICAL REQUIREMENTS:	for 100m of cable
CAT 5e	
CAPACITANCE, MUTUAL	13.5 PF/FT. AT 1 MHZ
DIELECTRIC WITHSTANDING, MIN	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	42.6 Ω/1000'
IMPEDANCE,	100 +/- 15 Ω 1-100 MHZ
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL 5 - 100 MHZ
SRL	23 DB 1-20 MHZ
	23 - 10 LOG(F/20) 20-100 MHZ
RETURN LOSS	1 - 10 MHZ 20 + 5 LOG (F) DB MIN
	10 - 20 MHZ 25 DB MIN
	20 - 100 MHZ 25- 8.6 LOG(F/20) DB MIN
PS NEXT	1-100 MHZ 64 - 15 LOG (F/.772) MIN
NEXT	1-100 MHZ 67 - 15 LOG (F/.772) MIN
PS ELFEXT	1-100 MHZ 63 - 20 LOG(F/.772) MIN
ELFEXT	1-100 MHZ 66 - 20 LOG(F/.772) MIN
ATTENUATION	1-100 MHZ 1.5[1.967 SQRT(F) +.023(F) +.05/SQRT(F)]MAX
DELAY	1-100 MHZ 534 + 36/SQRT(F)
DELAY SKEW	1-100 MHZ <25NS
LCL	1-100 MHZ -38dB MIN
VELOCITY OF PROPAGATION	68%

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			NAME	DATE	MENCOM CORPORATION		
			DRAWN	DCT	TITLE:		
			CHECKED				
			ENG APPR.				
			MFG APPR.				
			Q.A.				
			COMMENTS:				
		INTERPRET GEOMETRIC TOLERANCING PER:			SIZE	DWG. NO.	REV
		MATERIAL			B	MDE45PB-4MSP-ZZ	B
		FINISH			SCALE: 3:2	WEIGHT:	SHEET 2 OF 2
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					