

REVISIONS								
REV.	DESCRIPTION	DATE	APPROVED					
Α	DRAWN IN SW	6/19/2013						

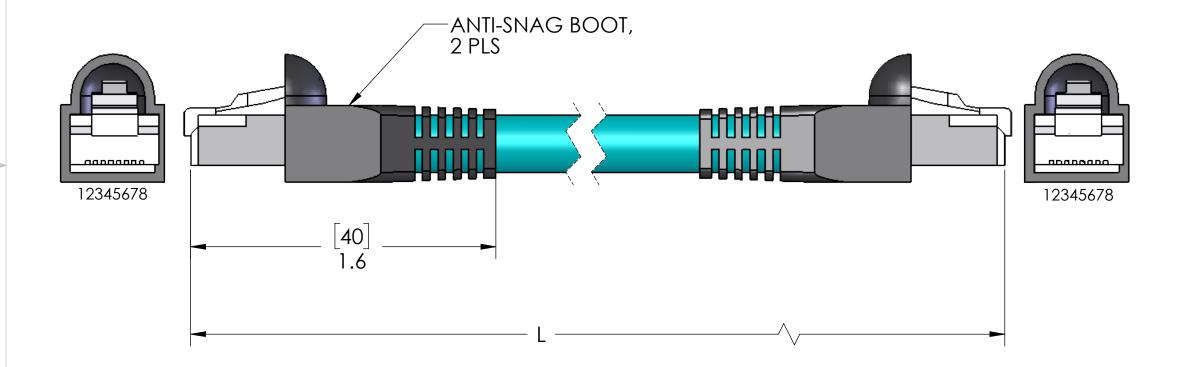


TABLE	TABLE A				
P/N	L				
RJ45SW-8MMP-0.3M	12" [0.3m]				
RJ45SW-8MMP-0.5M	19" [0.5m]				
RJ45SW-8MMP-0.6M	24" [0.6m]				
RJ45SW-8MMP-1M	40" [1m]				
RJ45SW-8MMP-2M	79" [2m]				
RJ45SW-8MMP-3M	118" [3m]				
RJ45SW-8MMP-4M	157" [4m]				
RJ45SW-8MMP-5M	197" [5m]				
RJ45SW-8MMP-6M	236" [6m]				
RJ45SW-8MMP-8M	315" [8m]				
RJ45SW-8MMP-10M	393'' [10m]				
RJ45SW-8MMP-15M	590'' [15m]				
RJ45SW-8MMP-20M	786'' [20m]				
RJ45SW-8MMP-30M	1179" [30m]				
RJ45SW-8MMP-40M	1575" [40m]				

**MATERIALS** 4 PR 24 INDUSTRIAL CAT 5e TPE CABLE, CABLE: TEAL w/BRAIDED SHIELD, 600V RATED **RJ45 HOUSING:** CLEAR POLYCARBONATE W/METAL SHIELD RJ45 CONTACTS: GOLD PLATED COPPER ALLOY

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COMMENTS: MATERIAL

DRAWN

CHECKED ENG APPR. MFG APPR.

SIZE DWG. NO.

RJ45SW-8MMP-ZZ WEIGHT: SCALE: 2:1 SHEET 1 OF 2

3

UNLESS OTHERWISE SPECIFIED:

DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES

AND [MM]

2

TITLE:

REV

CONSTRUCTION: NOM. DIA. CONDUCTOR: 24 AWG 7/32 STRANDED TINNED COPPER .0236" INSULATION: HIGH DENSITY POLYETHYLENE, .011" NOM. WALL THICKNESS .046" PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS .092" CABLE: (4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A FOAM POLYPROPYLENE TAPE TO FORM A CABLE CORE. .210" SHIELDS: AN OVERALL SHIELD OF 38 AWG TINNED COPPER BRAID (75% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE CABLE CORE. A SECOND SHIELD OF ALUMINIZED POLYESTER FOIL (FOIL IN, 100% COVERAGE) .229" SHALL BE APPLIED OVER THE BRAID. THERMOPLASTIC ELASTOMER, TEAL, .037" NOM. WALL THICKNESS (PRESSURE) OVERALL CABLE DIAMETER .301" ± .010" BY PI TAPE PHYSICAL PROPERTIES: TEMPERATURE RATING, MAX. 75°C & 80°C C | TEMPERATURE RATING, MIN. -40°C (MANUFACTURER'S RECOMMENDED) WT./M', NOM., NET. 43.0 LBS. JACKET IS WELD SPATTER RESISTANT JACKET IS SUNLIGHT RESISTANT FLEX LIFE (PENDING) (126 CYCLES/MIN) 1 MILLION CYCLE TEST (10X CABLE O.D., MINIMUM RADIUS) 10 MILLION CYCLE TEST (20X CABLE O.D., MINIMUM RADIUS) TORSION TEST (PENDING) (1 LB LOAD, 360°, 71 CYCLES/MIN) 3 MILLION CYCLE TEST JACKET CUTTING/MACHINING OIL RESISTANCE (6 MONTHS @ 20°C) TENSILE STRENGTH RETENTION, NOM. 80% **ELONGATION RETENTION, NOM. 100%** POE COMPLIANT (802.3af) TO 80 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184 CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 90 METER LENGTH ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE) 13.5 PF/FT. AT 1 MHZ CAPACITANCE, MUTUAL, NOM. DIELECTRIC WITHSTANDING, MIN 2000V RMS 600V VOLTAGE RATING, MAX. D.C. RESISTANCE, MAX. 26.0 Ω/1,000' 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 1-100 MHZ 63 - 20 LOG(F/.772) MIN PS ACRF ACRF 1-100 MHZ 66 - 20 LOG(F/.772) MIN ATTENUATION 1-100 MHZ 1.2[1.967 SQRT(F) +.023(F) +.05/SQRT(F)]MAX 1-100 MHZ 534 + 36/SQRT(F) DELAY **DELAY SKEW** 1-100 MHZ <25NS

30-100 MHZ 50 DB MINIMUM

68%

COUPLING ATTENUATION

VELOCITY OF PROPAGATION

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL

PER IEC 62153-4-9

**AGENCY APPROVALS:** UL AWM STYLE 2463 (80C 600V) NEC (UL) TYPE CMX OUTDOOR - CM CEC C(UL) TYPE CMX OUTDOOR - CM

## PRINT:

EXTREME HIGH FLEX INDUSTRIAL ETHERNET/IP PATCH CORD CAT 5e ScTP - E118830 C(UL)US TYPE CMX OUTDOOR - CM 4PR 24 AWG 75C SUN RES OR AWM 2463 -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

	UNLESS OTHERWISE SPECIFIED:	JNLESS OTHERWISE SPECIFIED: NAME		A FN COA A CORROR A TION			
	DIMENSIONS ARE IN INCHES AND [MM]	DRAWN	BEM	MENCOM CORPORATION			N
		CHECKED		TITLE:			
		ENG APPR.					
		MFG APPR.					
PROPRIETARY AND CONFIDENTIAL		Q.A.					
PROPRIETARY AND CONFIDENTIAL		COMMENTS:					
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF	MATERIAL			SIZE DWG	. NO.		REV
MENCOM CORPORATION. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	FINISH			<b>B</b> R.	145SW-8MM	P-ZZ	A
MENCOM CORPORATION IS PROHIBITED.	DO NOT SCALE DRAWING			SCALE: 2:1	WEIGHT:	SHEET	2 OF 2