

1) CONSTRUCTION:

CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	NOM. DIA.	.019"
INSULATION:	POLYOLEFIN, .010" NOM. WALL THICKNESS		.039" MAX.
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH A CLEAR POLYESTER BINDER TO FORM A CABLE CORE.		.162"
SHIELDS:	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 38 AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.		.181"
SEPARATOR:	A POLYESTER TAPE SEPARATOR SHALL BE APPLIED OVER THE SHIELDED CORE.		.184"
JACKET:	POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .022" NOM. WALL THICKNESS (PRESSURE)	OVERALL CABLE DIAMETER	.228" NOM. (± .010") (BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	33.4 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
5739	BLACK
5740	BLUE
5741	TEAL

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

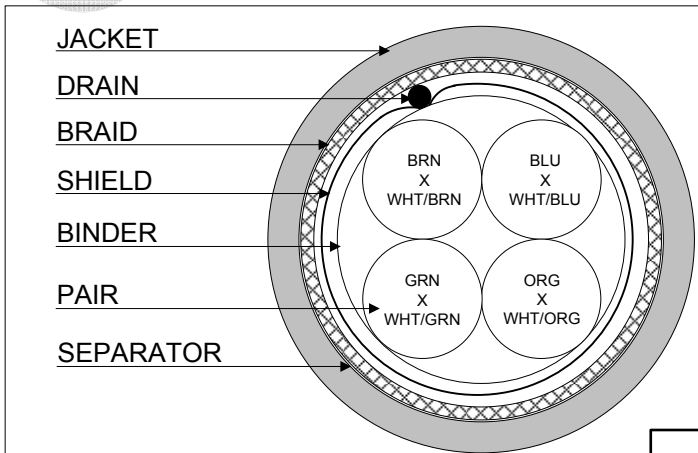
4) AGENCY APPROVALS:
NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR

5) APPLICATION:
RoHS COMPLIANT MATERIALS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)
QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD CAT 5e ScTP P/N (P/N PER CHART 1) -- C(UL)US TYPE CMR 4PR 26 AWG 75C -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:
1. BLUE X WHITE/BLUE
2. ORANGE X WHITE/ORANGE
3. GREEN X WHITE/GREEN
4. BROWN X WHITE/BROWN

8) PACKAGING:
TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING



Created 1/9/13	DRAWN: 01/09/13	GBM
REV. 01	CHECKED: 1/10/13	JFR
TITLE		
DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE – 4 PR SCREENED		
DRAWING #	QWC0052	1 of 2

CUSTOMER APPROVAL:

DATE:

3) ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

CAPACITANCE, MUTUAL, NOM.	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	32.3 - 15 LOG (F/100) MIN
NEXT	1-100 MHZ	35.3 - 15 LOG (F/100) MIN
PSACRF	1-100 MHZ	20.8 - 20 LOG(F/100) MIN
ACRF	1-100 MHZ	23.8 - 20 LOG(F/100) 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
VELOCITY OF PROPAGATION	68%	

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

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TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE - 4 PR SCREENED		
DRAWING #		QWC0052
		2 of 2

CUSTOMER APPROVAL:

DATE: