

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"
JACKET:	THERMOPLASTIC ELASTOMER, (COLOR, PER CHART 1) , .032" NOM. WALL THICKNESS (PRESSURE)	OVERALL CABLE DIAMETER	.245" NOM. (± .007")

(BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	75°C (JACKET 105°C, 60°C OIL)
TEMPERATURE RATING, MIN.	-40°C
WT./M', NOM., NET.	39LBS.
JACKET IS SUNLIGHT RESISTANT	PER UL 2556
JACKET IS WELD SPATTER RESISTANT	
JACKET IS CUTTING/MACHINING OIL RESISTANT (PER QUABBIN TEST REPORT #TR 08-0001) (6 MONTHS @ 20°C)	
TENSILE STRENGTH RETENTION, NOM.	80%
ELONGATION RETENTION, NOM.	100%

POE COMPLIANT (802.3af) TO 64 METERS WHEN INSTALLED PER RECOMMENDATIONS IN TIA TSB-184
CABLE WILL MEET CAT 5e CHANNEL REQUIREMENTS TO 64 METER LENGTH
CHART 1:

QUABBIN P/N	JACKET COLOR
5734	BLACK
5735	BLUE
5736	TEAL

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CMX OUTDOOR - CM
CEC C(UL) TYPE CMX OUTDOOR - CM

5) APPLICATION:

RoHS COMPLIANT MATERIALS

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK)

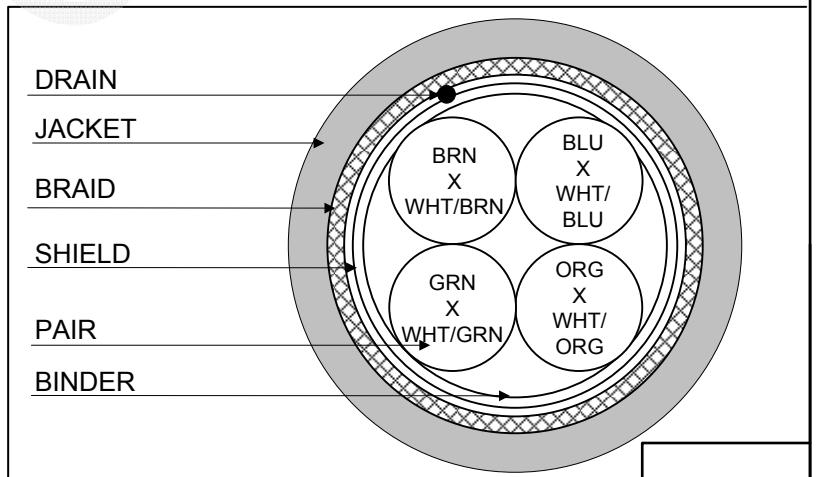
QUABBIN DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CORD CAT 5e SF/UTP P/N (P/N PER CHART 1) -- C(UL)US TYPE CMX OUTDOOR - CM 4PR 26 AWG 75C -- RoHS -- **(LOT DESIGNATOR)** **(SEQUENTIAL FOOTAGE)**

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



CUSTOMER APPROVAL:


DATE:

Created 7/27/12	DRAWN: BMD 03/07/14	
REV. 03	CHECKED: GBM 03/10/14	
TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE - 4 PR SCREENED		
DRAWING #	QWC0040	1 of 2

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

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, MAX.	1-100 MHZ	15 NS
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		
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		2 of 2

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