

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	26 AWG 7/34 STRANDED TINNED COPPER	.019"
INSULATION:	POLYOLEFIN, .010" NOM. WALL THICKNESS	.039"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.078"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE WRAPPED WITH A CLEAR POLYESTER BINDER	.167"
SHIELD:	AN ALUMINIZED POLYESTER FOIL SHIELD (FOIL IN) WITH A 26 AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE	.173"
JACKET:	POLYVINYLCHLORIDE, (COLOR PER CHART 1), .022" NOM. WALL THICKNESS (PRESSURE)	
	OVERALL CABLE DIAMETER	.213" MIN. .220" NOM. .225" MAX. (BY PI TAPE)

2) PHYSICAL PROPERTIES:	
TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	24.0 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
5725	BLACK
5726	BLUE
5727	TEAL

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

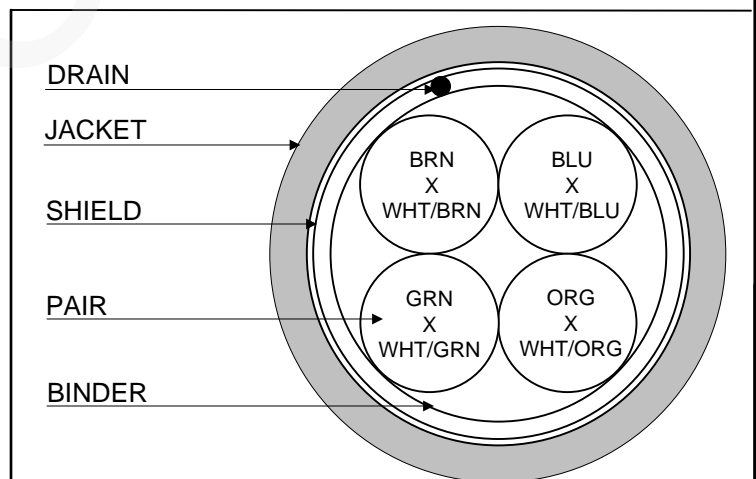
4) AGENCY APPROVALS:
 NEC (UL) TYPE CMR
 CEC C(UL) TYPE CMR
 EU CE MARK: MEETS EU DIRECTIVE 2011/65/EU (RoHS II)

5) APPLICATION:
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED ISO 11801 CLASS D AND
 SCREENED 568.2-D CATEGORY 5e APPLICATIONS.

6) PRINT: (WHITE INK ON BLACK JACKET, ALL OTHERS
 BLACK INK)
 QUABBIN DATAMAX EXTREME DURABLE
 INDUSTRIAL ETHERNET PATCH CORD F/UTP P/N
**(P/N PER CHART 1) -- C(UL)US TYPE CMR 4PR 26
 AWG 75C -- CAT 5e TIA-568.2-D -- CE 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 10/08/19	DRAWN: SGH 10/08/19	
REV. 01	CHECKED: ZRS 10/08/19	
TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 4PR -- C(UL)US CMR		
DRAWING#: QWC0097		1 of 2

3) ELECTRICAL CHARACTERISTICS:

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' @ 20°C

NOTE: TESTING FOR THE FOLLOWING IS CONDUCTED OFF THE REEL. (FOR 100m OF CABLE)

IMPEDANCE	100 \pm 15 Ω 1 – 100 MHz	
RETURN LOSS	1 \leq f < 10 MHz	20 + 5 LOG(f) dB MIN
	10 \leq f < 20 MHz	25 dB MIN
	20 \leq f \leq 100 MHz	25 – 8.6 LOG(f/20) dB MIN
PS NEXT	1 \leq f \leq 100 MHz	32.3 – 15 LOG (f/100) dB MIN
NEXT	1 \leq f \leq 100 MHz	35.3 – 15 LOG (f/100) dB MIN
PS ACRF	1 \leq f \leq 100 MHz	20.8 – 20 LOG(f/100) dB MIN
ACRF	1 \leq f \leq 100 MHz	23.8 – 20 LOG(f/100) dB MIN
INSERTION LOSS	1 \leq f \leq 100 MHz	1.5[1.967 \sqrt{f} + 0.023(f) + 0.050/ \sqrt{f}] dB MAX
DELAY	1 \leq f \leq 100 MHz	534 + 36/ \sqrt{f} ns MAX
DELAY SKEW	1 \leq f \leq 100 MHz	<25 ns
VELOCITY OF PROPAGATION	68%	

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TITLE DATAMAX EXTREME DURABLE INDUSTRIAL ETHERNET PATCH CABLE -- 4PR -- C(UL)US CMR		
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DATE: