

1) CONSTRUCTION:

CONDUCTOR:	24 AWG SOLID BARE COPPER	NOM. DIA.	.020"
INSULATION:	HIGH DENSITY POLYETHYLENE, .008" NOM. WALL THICKNESS		.036"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS		.072"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE		.160"
JACKET:	POLYVINYLCHLORIDE, BLUE, .024" NOM. WALL THICKNESS		
	OVERALL CABLE DIAMETER		.208"
			(BY PI TAPE)

2) PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX.	60°C & 75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	21.5 LBS.

3) ELECTRICAL CHARACTERISTICS:

SEE PAGE 2

4) AGENCY APPROVALS:

NEC (UL) TYPE CMR
 CEC C(UL) TYPE CMR
 CSA TYPE CMG
 ETL VERIFIED TIA-568.2-D CAT 5e

5) APPLICATION:

HORIZONTAL CABLE FOR CATEGORY 5e APPLICATIONS - SUPPORTS 1000 BASE-T ATM APPLICATIONS TO 155 MHZ OR OTHER EXTENDED FREQUENCY APPLICATIONS. RoHS COMPLIANT MATERIALS.

6) PRINT:

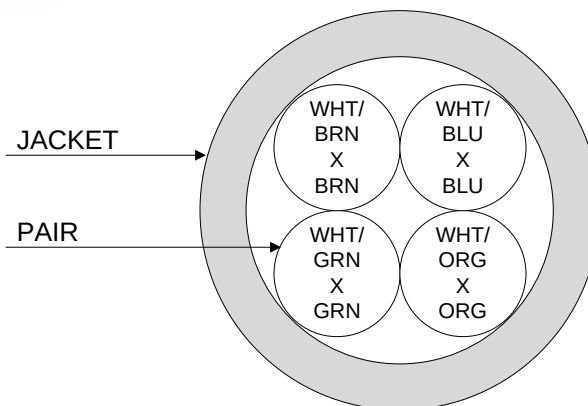
QUABBIN DATAMAX 350/5E HORIZONTAL CABLE P/N 9469 -- C(UL)US TYPE CMR 24 AWG 75C -- CSA LL51726 TYPE CMG 60C -- ETL VERIF. TIA-568.2-D CAT 5e -- RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

7) COLOR CODE:

1. WHITE/BLUE X BLUE
2. WHITE/ORANGE X ORANGE
3. WHITE/GREEN X GREEN
4. WHITE/BROWN X BROWN

8) PACKAGING:

TO BE PACKAGED AS PER QWC'S STANDARD PACKAGING



Created 12/09/96	DRAWN: SGH 10/02/20
REV. 11	CHECKED: ZRS 10/05/20



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HORIZONTAL CABLE FOR CAT 5e

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3) ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	15 PF/FT. AT 1 MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	27.1 Ω /1,000'

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

IMPEDANCE, NOM.	100 $\pm$ 15 Ω FROM 1 – 350 MHz
IMPEDANCE, SMOOTHED	100 $\pm$ 15 Ω FROM 1 – 100 MHz PER ISO 11801
RETURN LOSS	$1 \leq f < 10$ MHz 20 + 5 LOG(f) dB MIN $10 \leq f < 20$ MHz 25 dB MIN $20 \leq f \leq 350$ MHz 25 – 7 LOG($f/20$) dB MIN
PS NEXT	$1 \leq f \leq 350$ MHz 32.3 – 15 LOG($f/100$) dB MIN
NEXT	$1 \leq f \leq 350$ MHz 35.3 – 15 LOG($f/100$) dB MIN
PSACRF	$1 \leq f \leq 350$ MHz 20.8 – 20 LOG($f/100$) dB MIN
ACRF	$1 \leq f \leq 350$ MHz 23.8 – 20 LOG($f/100$) dB MIN
INSERTION LOSS	$1 \leq f \leq 350$ MHz $1.967\sqrt{f} + 0.023(f) + 0.050/\sqrt{f}$ dB MAX
DELAY	$1 \leq f \leq 350$ MHz $534 + 36/\sqrt{f}$ ns MAX
DELAY SKEW	$1 \leq f \leq 350$ MHz <45 ns

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