

1) CONSTRUCTION:		NOM. DIA.
CONDUCTOR:	24 AWG SOLID BARE COPPER	.021"
INSULATION:	HIGH DENSITY POLYETHYLENE, .011" NOM. WALL THICKNESS	.043"
PAIRS:	COLOR CODED SINGLES TWISTED INTO PAIRS	.086"
CABLE:	(4) TWISTED PAIRS TWISTED TOGETHER AND WRAPPED WITH AN OVERALL POLYESTER TAPE TO FORM A CABLE CORE	.205"
SHIELD:	AN OVERALL POLYESTER FOIL SHIELD (FOIL IN, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 24 AWG SOLID TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE.	.208"
JACKET:	POLYVINYLCHLORIDE, BEIGE, .021" NOM. WALL THICKNESS	.250"
	OVERALL CABLE DIAMETER	

2) PHYSICAL PROPERTIES:	
TEMPERATURE RATING, MAX.	75°C
TEMPERATURE RATING, MIN.	-20°C
WT./M', NOM., NET.	24.7 LBS.
BEND RADIUS	8 X DIAMETER (APPROXIMATELY 2")

3) ELECTRICAL CHARACTERISTICS:
SEE PAGE 2

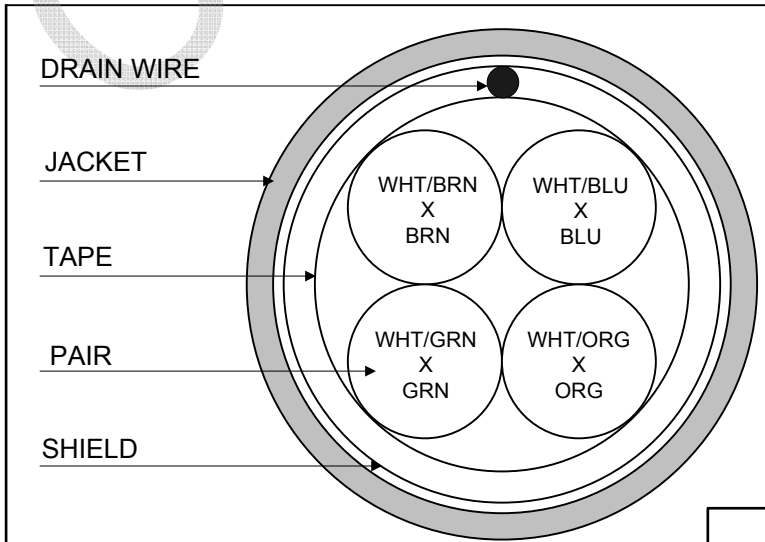
4) AGENCY APPROVALS:
NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR

5) APPLICATION:
IEEE 802.3 10 BASE T. SUPPORTS CATEGORY 5e. MEETS CAT 5e CHANNEL REQUIREMENTS AT 100M CABLE LENGTH. RoHS COMPLIANT MATERIALS.

6) PRINT:
QUABBIN DATAMAX SHIELDED HORIZONTAL P/N 9468 -- TYPE CMR C(UL)US 24 AWG 75C SHIELDED -- F/UTP 100 OHM CAT 5e -- RoHS -- **(LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)**

7) COLOR CODE:
1. WHT/BLU X BLU
2. WHT/ORG X ORG
3. WHT/GRN X GRN
4. WHT/BRN X BRN

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



Created 1/12/94	DRAWN: BMD 08/15/13	
REV. 15	CHECKED: GBM 08/16/13	
TITLE HORIZONTAL CABLE FOR CAT 5e -- F/UTP -- TYPE CMR C(UL)US		
QUABBIN P/N	9468	1 of 2


CUSTOMER APPROVAL:

DATE:

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

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'	
IMPEDANCE	100 +/- 15 Ω 1-100 MHZ	
IMPEDANCE, SMOOTHED	100 +/- 10 Ω TYPICAL	5 - 100 MHZ
RETURN LOSS	1 - 10 MHZ	20 + 5 LOG (F) DB MIN
	10 - 20 MHZ	25 DB MIN
	20 - 100 MHZ	25 - 7 LOG (F/20) DB MIN
PS NEXT	1-100 MHZ	32.3 - 15 LOG (F/100) DB MIN
NEXT	1-100 MHZ	35.3 - 15 LOG (F/100) DB MIN
PS ACRF	1-100 MHZ	20.8 - 20 LOG (F/100) DB MIN
ACRF	1-100 MHZ	23.8 - 20 LOG (F/100) DB MIN
ATTENUATION	1-100 MHZ	1.967 SQRT(F) + .023(F) + .05/SQRT(F) DB 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		
HORIZONTAL CABLE FOR CAT 5e -- F/UTP -- TYPE CMR C(UL)US		
QUABBIN P/N	9468	2 of 2

CUSTOMER APPROVAL:

DATE: