

1) CONSTRUCTION:
 CONDUCTOR: 24 AWG 7/32 STRANDED TINNED COPPER
 INSULATION: POLYETHYLENE, .0075" NOM. WALL THICKNESS
 CABLE: (2) COLOR CODED SINGLES TWISTED TOGETHER TO FORM A CABLE CORE. (32 +/- 2 TWISTS EVERY 2 FEET.)
 JACKET: POLYVINYLCHLORIDE, (COLOR, PER CHART 1), .021" NOM. WALL THICKNESS
 NOM. DIA. .024"
 .039"
 .078"
 OVERALL CABLE DIAMETER .120" MAX.

2) PHYSICAL PROPERTIES:
 TEMPERATURE RATING, MAX. 60°C & 75°C
 TEMPERATURE RATING, MIN. -20°C
 WT./M', NOM., NET. 8.0 LBS.

CHART 1:

QUABBIN P/N	JACKET COLOR
5100	BLACK
5102	RED
5103	ORANGE
5104	YELLOW
5105	GREEN
5106	BLUE
5107	VIOLET
5108	GRAY
5109	WHITE
5110	BEIGE
5112	PINK

3) ELECTRICAL CHARACTERISTICS:
 CAPACITANCE, MUTUAL, NOM. 15 PF/FT.
 CHARACTERISTIC IMPEDANCE, NOM. 100 +/- 15 Ω FROM 1 TO 100 MHz
 DIELECTRIC WITHSTANDING, MIN 1500V RMS
 VOLTAGE RATING, MAX. 300V
 D.C. RESISTANCE, MAX. PER ASTM B286 26.2 Ω/1000'
 INSERTION LOSS $1 \leq f \leq 100$ MHz $1.2[1.967 \sqrt{f} + 0.023(f) + 0.050/\sqrt{f}]$ dB MAX
 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 - 8.6 LOG(f/20) dB MIN

NOTE: ALL TESTING IS CONDUCTED OFF THE REEL.

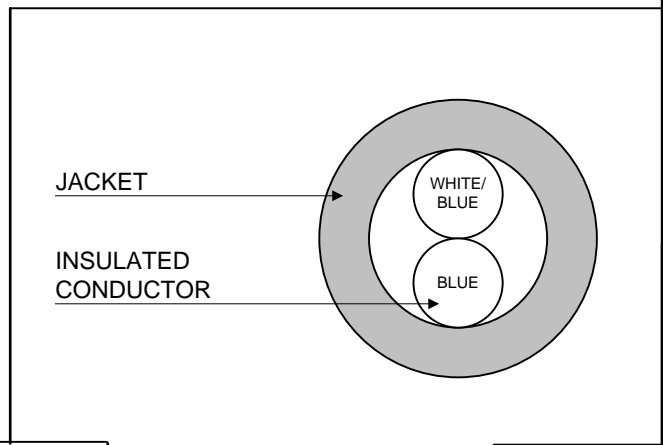
4) AGENCY APPROVALS:
 NEC (UL) TYPE CM
 CSA TYPE CMG


5) APPLICATION:
 RoHS COMPLIANT MATERIALS.

6) PRINT:
 QUABBIN DATAMAX 5E 350 MHZ (P/N PER CHART 1) (UL) TYPE CM 24 AWG 75C -- CSA LL51726 TYPE CMG 60C -- TIA-568-C.2 CATEGORY 5e -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

7) COLOR CODE:
 1. WHITE/BLUE
 2. BLUE

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



REVISION 02	DATE:	DRAWN <i>B. Ducezywski</i> 12/20/10	
REVISED BY	<i>B. Ducezywski</i> 12/01/15	CHECKED <i>G. Murare</i> 12/21/10	
CHECKED	<i>G. Murare</i> 12/01/15	CHECKED	
CHECKED		CUSTOMER APPROVAL: DATE:	
			 TITLE 2/C 24 AWG PE/PVC CABLE -- TYPE CM, CSA CMG DRAWING # QWC0008 1 OF 1