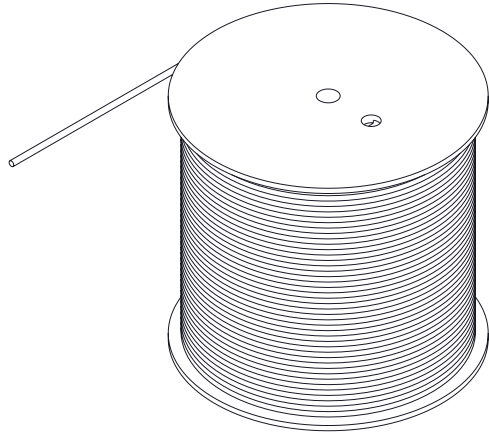
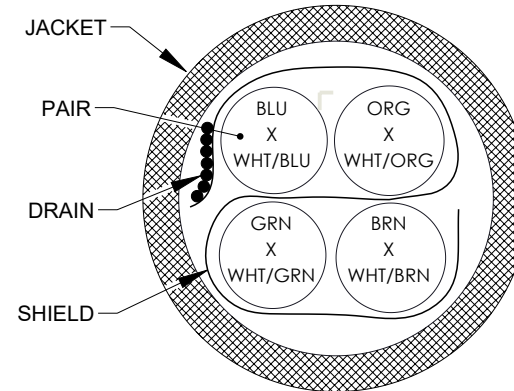


TFCRC6A CONSISTS OF 1000 FEET OF CONTINUOUS LENGTH OF BULK CABLE



REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	12/13/2023	DFRISIELLO	GUTTADAURO

CROSS-SECTIONAL VIEW



**COLOR CODE**  
 BLUE x WHITE/BLUE  
 ORANGE x WHITE/ORANGE  
 GREEN x WHITE/GREEN  
 BROWN x WHITE/BROWN

NOTES:

- CONSTRUCTION:**  
 CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER  
 INSULATION: HIGH DENSITY POLYETHYLENE, .011" NOM. WALL THICKNESS  
 PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS  
 CABLE: (4) TWISTED PAIRS TWISTED TOGETHER  
 SHIELD: AN ALUMINIZED POLYESTER FOIL SHIELD (100% COVERAGE) WITH 7 ENDS OF 34AWG TINNED COPPER DRAIN WIRE IN CONTACT WITH METALIZED SURFACE SHALL BE APPLIED OVER THE CABLE CORE  
 JACKET: POLYVINYLCHLORIDE, COLOR: SEE CHART 1, .024" NOM. WALL THICKNESS  
 OVERALL CABLE DIAMETER
- PHYSICAL PROPERTIES:**  
 TEMPERATURE RATING, MAX: +75 ° C  
 TEMPERATURE RATING, MIN: -20 ° C  
 WT./M', NOM.,NET.: 23.6 LBS.
- ELECTRICAL CHARACTERISTICS: SEE SHEET 2
- AGENCY APPROVALS:**  
 NEC (UL) TYPE CMR/CMG  
 CEC C(UL) TYPE CMR/CMG  
 EU CE MARK: MEETS EU DIRECTIVE 2011/65/EU (RoHS II)
- APPLICATION:**  
 SHIELDED FLEXIBLE PATCH/JUMPER CABLE TO SUPPORT SCREENED 568.2-D CATEGORY 6a APPLICATIONS.
- JACKET PRINT(WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK):**  
 QUABBIN DATAMAX LSZH 6a F/UTP 100 OHM PATCH CORD P/N (QWC P/N PER CHART 1) -- TYPE CMR C(UL)US CMG 4 PR 26 AWG SHIELDED 75C -- FT4/IEEE 1202 -- CAT 6a TIA-568.2-D -- CE RoHS -- (LOT DESIGNATOR)(SEQUENTIAL FOOTAGE)
- PACKAGING:**  
 CABLE SHIPPED ON A REEL

NOM. DIA.  
 .019"  
 .0405"  
 .081"  
 .177"  
 .185"  
 .233" NOM.  
 (BY PI TAPE)

PART NUMBER	JACKET COLOR
TFCRC6A-BLK-1000F	BLACK
TFCRC6A-BLU-1000F	BLUE
TFCRC6A-GRY-1000F	GRAY
TFCRC6A-VLT-1000F	VIOLET
TFCRC6A-WHT-1000F	WHITE
TFCRC6A-YLW-1000F	YELLOW
TFCRC6A-RED-1000F	RED

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS

**TOLERANCES:**

X = ±.2 [5]      FRACTIONS  
 .XX = ±.02 [0.5]      ± 1/32  
 .XXX = ±.005 [0.13]      ANGLES ± 1°

**CABLE LENGTH TOLERANCES:**

≤12 [305] = +1 [25] / -0  
 >12 [305] ≤ 60 [1524] = +2 [51] / -0  
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0  
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY



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Phone: 1.800.341.5266 | 1.978.682.6936

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 2

DESCRIPTION				
C6a F/UTP CMR CMG 26AWG 1KFT				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	TFCRC6A	A

F

F

3. ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5PF/FT AT 1MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	42.6 OHM/1,000 FT(14.0 OHM/100m)

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

E

E

IMPEDANCE, NOM.	100 ± 15 OHM 1-100 MHz
	100 ± 20 OHM 100-500 MHz

RETURN LOSS	1 ≤ f < 10 MHz	20 + 5 LOG(f) dB MIN
	10 ≤ f < 20 MHz	25 dB MIN
	20 ≤ f ≤ 500 MHz	25 - 8.6 LOG(f/20) dB MIN

PS NEXT	1 ≤ f ≤ 500 MHz	42.3- 15 LOG(f/100) dB MIN
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NEXT	1 ≤ f ≤ 500 MHz	44.3 - 15 LOG(f/100) dB MIN
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PS ACRF	1 ≤ f ≤ 500 MHz	24.8 - 20 LOG(f/100) dB MIN
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ACRF	1 ≤ f ≤ 500 MHz	27.8 - 20 LOG(f/100) dB MIN
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INSERTION LOSS	1 ≤ f ≤ 500 MHz	1.5[1.82SqRt(f) + 0.0091(f) + 0.25/SqRt(f)] dB MAX
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DELAY	1 ≤ f ≤ 500 MHz	534 + 36/SqRt(f) ns MAX
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C

C

DELAY SKEW	1 ≤ f ≤ 500 MHz	< 45 ns
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PS ANEXT LOSS (6 AROUND 1)	1 ≤ f ≤ 500 MHz	62.5 - 15 LOG(f/100) dB	50-500 MHz
		67 dB	1-50 MHz

PS AFEXT (6 AROUND 1)	1 ≤ f ≤ 500 MHz	38.2 - 20 LOG(f/100) dB, 67 dB MIN
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TCL	1 ≤ f ≤ 500 MHz	30 - 10 LOG(f/100) dB MIN, 40 dB MIN
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B

B

ELTCTL	1 ≤ f ≤ 30 MHz	35 - 20 LOG(f) dB MIN
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VELOCITY OF PROPAGATION	68%
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A

A

 <b>an INFINIT@ brand</b> Website: www.L-com.com Phone: 1.800.341.5266   1.978.682.6936		 INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
		SCALE NONE	SHEET 2 OF 2
DESCRIPTION C6a F/UTP CMR CMG 26AWG 1KFT			
SIZE A	CAGE CODE 43321	DRAWN BY DFRISIELLO	ITEM NO. TFCRC6A
			REV A

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