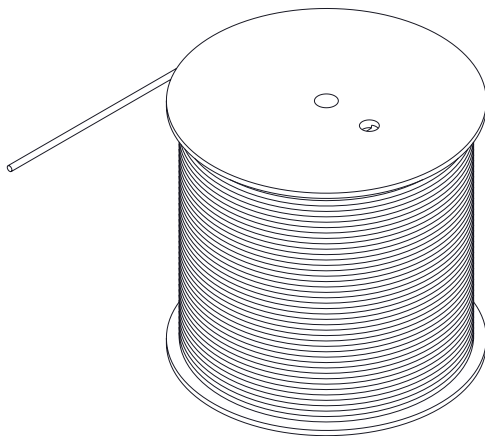


TFPCRC6A CONSISTS OF 1000 FEET OF CONTINUOUS LENGTH OF BULK CABLE



NOTES:

1. CONSTRUCTION:

CONDUCTOR: 26 AWG 7/34 STRANDED TINNED COPPER
INSULATION: FOAMED FEP, .010" NOM. WALL THICKNESS
PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS
CABLE: (4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE.
SHIELD: AN ALUMINIZED POLYESTER ALUMINUM 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: LOW SMOKE POLYVINYLCHLORIDE, COLOR: SEE CHART 1, .021" NOM. WALL THICKNESS
OVERALL CABLE DIAMETER

NOM. DIA.
.0189"
.039"
.078"
.181"
.233" NOM. (BY CALIPER)

2. PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX: +105 °C
TEMPERATURE RATING, MIN: -20 °C
WT./M', NOM.,NET.: 22.2 LBS.

3. ELECTRICAL CHARACTERISTICS: SEE SHEET 2

4. AGENCY APPROVALS:

NEC (ETL) TYPE CMP
CEC C(ETL) TYPE CMP

5. APPLICATION:

RoHS COMPLIANT MATERIALS. MEETS TIA 568.2-D CAT 6A CHANNEL REQUIREMENTS AT 70 METERS.
10 METERS OF PATCH CABLE WITH A 90 METERS PERMANENT LINK (100 METER CHANNEL).
SUPPORTS CAT 6A APPLICATIONS INCLUDING 10GBASE-T AT THESE LENGTHS, FOR OTHER COMBINATIONS SEE "CHANNEL REQUIREMENTS AND THE LENGTH OF STRANDED CABLE" TECHNICAL BRIEF. PATENT NO. US 9,355,759 B2

6. JACKET PRINT(WHITE INK ON BLACK JACKET, ALL OTHERS BLACK INK):

QUABBIN DATAMAX LSZH 6a F/UTP PATCH CORD P/N (QWC P/N PER CHART 1)-- PATENT NO. US 9,355,759 B2 -- C(ETL)US TYPE CMP 26 AWG 105C -- RoHS -- (LOT DESIGNATOR)(SEQUENTIAL FOOTAGE)

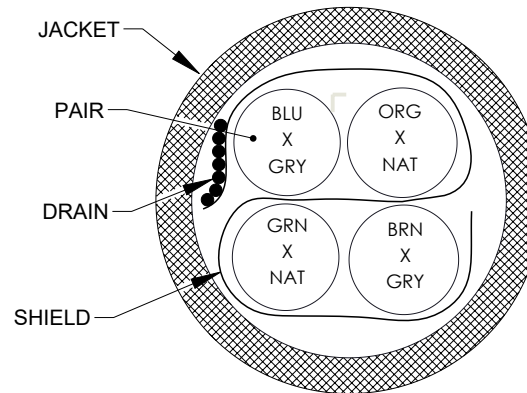
7. PACKAGING:

CABLE SHIPPED ON A REEL

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REVISION table with columns: ZONE, REV, DESCRIPTION, DATE, CHANGED BY, APPROVED. Row 1: A, INITIAL RELEASE, 12/19/2023, DFRISIELLO, GUTTADAURO

CROSS-SECTIONAL VIEW



COLOR CODE
BLUE x GRAY
ORANGE x NATURAL
GREEN x NATURAL
BROWN x GRAY

CHART 1

Table with 2 columns: PART NUMBER, JACKET COLOR. Rows include TFPCRC6A-GRY-1000F (GRAY), TFPCRC6A-WHT-1000F (WHITE), TFPCRC6A-BLU-1000F (BLUE), TFPCRC6A-GRN-1000F (GREEN)

Technical specifications including tolerances (X = ±.2 [5], XX = ±.02 [0.5], etc.), cable length tolerances, and a disclaimer: ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

Product information block for L-com brand, including website (www.L-com.com), phone number, and part details: DESCRIPTION: C6a F/UTP CMP +105C 26AWG 1K FT, SIZE: A, CAGE CODE: 43321, DRAWN BY: DFRISIELLO, ITEM NO.: TFPCRC6A, REV: A

3. ELECTRICAL CHARACTERISTICS:

CAPACITANCE, MUTUAL, NOM.	13.5PF/FT AT 1MHz
DIELECTRIC WITHSTANDING, MIN.	1500V RMS
VOLTAGE RATING, MAX.	300V
D.C. RESISTANCE, MAX.	14 OHM (42.6 OHM/1000 FT NOM.)

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

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
NEXT	1 ≤ f ≤ 500 MHz	44.3 - 15 LOG(f/100) dB MIN
PS ACRF	1 ≤ f ≤ 500 MHz	24.8 - 20 LOG(f/100) dB MIN
ACRF	1 ≤ f ≤ 500 MHz	27.8 - 20 LOG(f/100) dB MIN
INSERTION LOSS	1 ≤ f ≤ 500 MHz	1.5[1.82SqRt(f) + 0.0091(f) + 0.25/SqRt(f)] dB MAX
DELAY	1 ≤ f ≤ 500 MHz	534 + 36/SqRt(f) ns MAX
DELAY SKEW	1 ≤ f ≤ 500 MHz	< 45 ns
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
TCL	1 ≤ f ≤ 500 MHz	30 - 10 LOG(f/100) dB MIN, 40 dB MIN
ELTCTL	1 ≤ f ≤ 30 MHz	35 - 20 LOG(f) dB MIN
VELOCITY OF PROPAGATION	68%	



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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 CMP +105C 26AWG 1K FT

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DFRISIELLO	TFPCRC6A	A