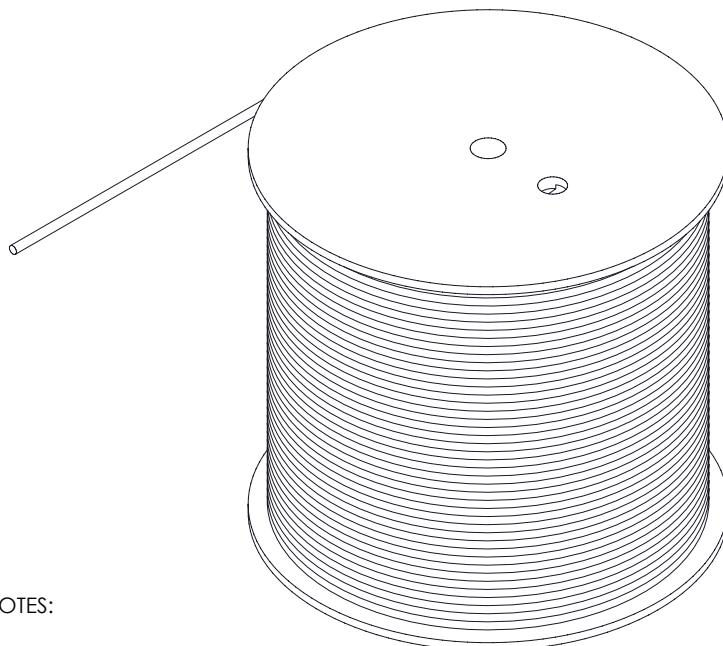


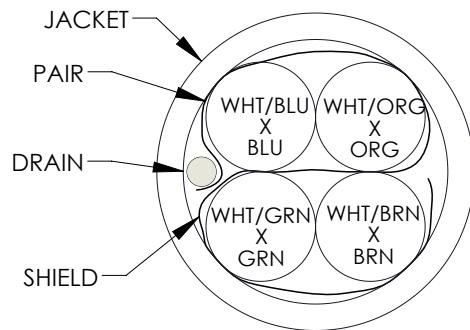
| REV | | REVISIONS | |
|-----|--|------------|------------|
| REV | DESCRIPTION | DATE | APPROVAL |
| A | INITIAL RELEASE | 01/27/2016 | DFRISIELLO |
| B | ECN 9547: REVISED CROSS SECTIONAL VIEW | 12/05/2016 | DFRISIELLO |

TFC628A-BL

TFC628A-BL CONSISTS OF 1000 FEET OF CONTINUOUS LENGTH BULK CABLE



CROSS-SECTIONAL VIEW



COLOR CODE

- 1)WHITE/ORANGE X ORANGE
- 2)WHITE/BROWN X BROWN
- 3)WHITE/GREEN X GREEN
- 4)WHITE/BLUE X BLUE

NOTES:

1.CONSTRUCTION:

CONDUCTOR: 28 AWG 7/36 STRANDED TINNED COPPER
INSULATION: HIGH DENSITY POLYETHYLENE,.008" NOM. WALL THICKNESS

NOM.DIA.

.015"
.031"MIN
.032"MAX
.064"

PAIRS: COLOR CODED SINGLES TWISTED INTO PAIRS

.146"

CABLE: (4) TWISTED PAIRS TWISTED TOGETHER TO FORM A CABLE CORE
SHIELD:AN ALUMINUM POLYESTER ALUMINUFOIL SHIELD(100%COVERAGE) SHALL

BE APPLIED OVER THE CABLE CORE AND SHALL INCLUDE A 28AWG STRANDED
TINNED COPPER DRAIN WIRE IN CONTACT WITH THE OUTER SURFACE

JACKET: POLYVINYLCHLORIDE, (COLOR, BLUE), .020" NOM. WALL THICKNESS
OVERALL CABLE DIAMETER

.186" NOM
.191"MAX

2.PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX. 75°C
TEMPERATURE RATING, MIN. -20°C
WT./M', NOM., NET. 15.2 LBS.

3.AGENCY APPROVALS:

NEC (UL) TYPE CMR
CEC C(UL) TYPE CMR

4.APPLICATION:

MEETS TIA 568 C.2 CHANNEL REQUIREMENTS AT 56 METERS. 7.8 METERS OF PATCH CABLE WITH A 90 METERS
PERMANENT LINK (97.8 METER CHANNEL) OR 10 METERS OF PATCH CABLE WITH AN 86 METER PERMANENT LINK (94
METER CHANNEL).

5.PRINT:(BLACK INK)

(MANUFACTURER NAME)DATAMAX MINI-6a F/UTP PATCH CORD P/N(MANUFACTURER P/N) -- PATENT PENDING --
C(UL)US TYPE CMR 28 AWG 75C -- RoHS -- (LOT DESIGNATOR) (SEQUENTIAL FOOTAGE)

6. ELECTRICAL CHARACTERISTICS: (FOR 100m OF CABLE)

| | |
|-------------------------------|----------------------------------|
| CAPACITANCE, MUTUAL, NOM. | 13.5 PF/FT. AT 1 MHZ |
| DIELECTRIC WITHSTANDING, MIN. | 1500V RMS |
| VOLTAGE RATING, MAX. | 300V |
| D.C. RESISTANCE, NOM. | 68.2 Ω/1000' |
| IMPEDANCE | 100 +/- 15 Ω 1-500 MHz |
| IMPEDANCE, SMOOTHED | 100 +/- 10 Ω TYPICAL 5 - 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 |

7.PACKAGING:

CABLE SHIPPED ON A REEL

| | | | | | |
|--|--------------------------|--|--|--|------------------|
| APPROVALS | | DATE |  <p>50 HIGH STREET NORTH ANDOVER, MA 01845</p> <p>TELECOM/MODULAR</p> | | |
| DRAWN BY DCUI | | 01/27/2016 | | | |
| CHECKED BY BZHANG | | 01/27/2016 | | | |
| APPROVED BY SPAN | | 01/27/2016 | CATEGORY | | |
| | | | PRODUCT DESCRIPTION | | |
| | | | C6A FTP 4PR/28 STR PVC BL | | |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] | | CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY | | | |
| OVERALL CABLE LENGTH TOLERANCE: ≤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 OTHER DIMENSIONAL TOLERANCES: .X = .2 [5.08] .XX = .02 [.51] .XXX = .005 [.13] | | | | | |
| PROJECTION | | COLOR VARIATIONS MAY OCCUR | | | |
| SIZE A | FSCM NO. 43321 | DWG. NO. | TFC628A-BL | | REV. B |
| SCALE: 1:4 | | CAD FILE: TFC628A-BL.SLDDRW | | | SHEET 1 OF 1 |

REGULATORY COMPLIANCE:

CE2011/65/EU(ROHS DIRECTIVE)