

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	ECO-13852	09/09/2024	DMAY	DGUTTADAURO

1. CONSTRUCTION:
 CONDUCTOR: 18 AWG 7/.0152 STRANDED BARE COPPER
 INSULATION: POLYVINYLCHLORIDE, .016" NOM. WALL THICKNESS
 PAIR: (2) INSULATED COLOR CODED SINGLES TWISTED TOGETHER TO FORM A PAIR.
 COMMUNICATION WIRE:
 CONDUCTOR: 22 AWG 7/30 STRANDED TINNED COPPER
 INSULATION: POLYVINYLCHLORIDE, ORANGE, .016" NOM. WALL THICKNESS
 CABLE: (2) PAIRS AND (1) COMMUNICATION WIRE TWISTED TOGETHER TO FORM A CABLE CORE.
 SHIELD: AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100% COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND INCLUDE A 20 AWG 7/28 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE FOR EASY TERMINATION.
 JACKET: POLYVINYLCHLORIDE, BLACK, .042" NOM. WALL THICKNESS.
 OVERALL CABLE DIAMETER

NOM. DIA.
 .046"
 .078"
 .156"
 .030"
 .062"
 .231"
 .234"
 .330" ±.010"
 (BY PI TAPE)

2. PHYSICAL PROPERTIES:
 TEMPERATURE RATING, MAX 80 °C & 105 °C
 TEMPERATURE RATING, MIN. -40 °C
 WT./M', NOM., NET. 58.5 LBS
 BEND RADIUS, MIN. (STATIC) 3.3"
 JACKET IS SUNLIGHT RESISTANT

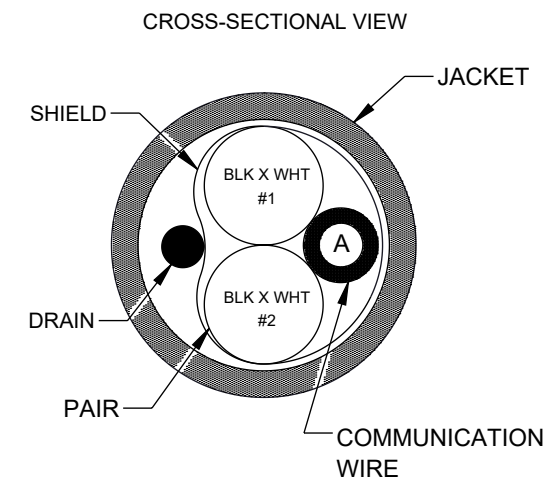
3. ELECTRICAL CHARACTERISTICS:
 CAPACITANCE, MUTUAL, NOM. 25 PF/FT.
 CAPACITANCE, GROUNDED, NOM. 47 PF/FT.
 DIELECTRIC WITHSTANDING, MIN. 2000V RMS
 VOLTAGE RATING, MAX. 300V
 D.C. RESISTANCE, MAX. 6.64 Ω/1000'

4. AGENCY APPROVALS:
 NEC (UL) TYPE PLTC
 NEC (UL) TYPE ITC
 NEC (UL) TYPE CM
 CEC C(UL) TYPE CM
 UL AWM STYLE 2464

5. APPLICATION:
 PROCESS SYSTEM INTERCONNECT. POWER LIMITED TRAY CABLE, INSTRUMENTATION TRAY CABLE.
 CLASS 3 CIRCUITS. RoHS COMPLIANT MATERIALS.

6. PRINT: (WHITE INK)
 QUABBIN P/N 0329 (UL) TYPE PLTC OR ITC 18 AWG SHIELDED 105C
 SUN RES OR C(UL)US TYPE CM OR
 AWM 2464 -- RoHS -- (LOT DESIGNATOR)

7. COLOR CODE:
 EACH PAIR: BLACK X WHITE
 PAIRS NUMBERED #1 TO #2
 WHITE INK ON BLACK CONDUCTORS
 BLACK INK ON ALL OTHER CONDUCTORS
 A. ORANGE



REGULATORY COMPLIANCE:
 EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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

L-com
 an INFINIT® brand
 Website: www.L-com.com
 Phone: 1.800.341.5266 | 1.978.682.6936

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION

PLTC ITC BULK 18AWG, 2 PAIR SHIELDED, BLK, 1KF

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	DMAY	PBPLTC-182PS-1K	B

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.