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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/12/2023	HBAKKE	GUTTADAURO

1. CONSTRUCTION:

CONDUCTOR: 12 AWG TINNED COPPER  
INSULATION: POLYVINYLCHLORIDE, .015" NOM. WALL THICKNESS  
INNER JACKET: NYLON, .004" MIN THICKNESS  
SHIELD: NON-WOVEN, COVERAGE ≥25%  
JACKET: POLYVINYLCHLORIDE, BLACK, .045" NOM. WALL THICKNESS.  
OVERALL CABLE DIAMETER

NOM. DIA.

.091"

.144"

.155"

.413±.012"

2. PHYSICAL PROPERTIES:

TEMPERATURE RATING, MAX 90°C  
TEMPERATURE RATING, MIN. -40°C  
JACKET IS UV RESISTANT

3. ELECTRICAL CHARACTERISTICS:

DIELECTRIC STRENGTH (kv/1min) 2.0(AC)  
VOLTAGE RATING, MAX. 600V  
MAX COND D.C. RESISTANCE AT 20°C (Ω/km) ≤5.64

4. REFERENCE STANDARD:

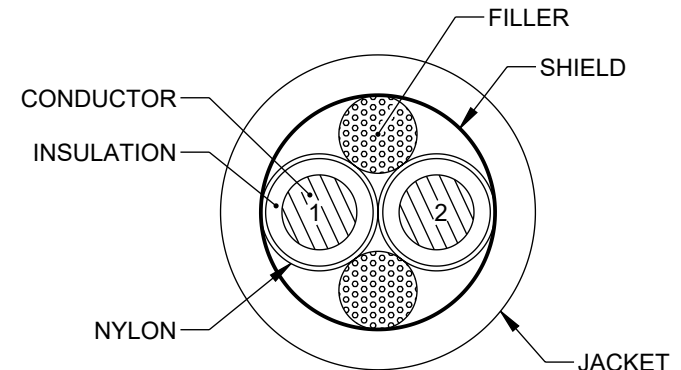
UL1277 & UL1581 & UL83  
MEETS (UL) VW-1 FLAME TEST

5. MARKING IN WHITE:

E497465 (UL) TYPE TC-ER THHN 2C 12AWG 90°C DRY/75°C WET  
600V SUN RES VW-1 -40°C JHOSIN

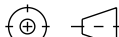
6. CONDUCTOR COLOR:

1. RED
2. BLACK



CROSS-SECTIONAL VIEW

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

<div>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]</div> <div>OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0 &gt;12 [305] ≤60 [1524] = +2 [51] / -0 &gt;60 [1524] ≤120 [3048] = +4 [102] / -0 &gt;120 [3048] ≤300 [7620] = +6 [152] / -0 &gt;300 [7620] = +5% / -0</div> <div>ALL OTHER DIMENSIONAL TOLERANCES: .X = ± .2 [5]   FRACTIONS ± 1/32 .XX = ± .02 [.5]   ANGLES ± 1° .XXX = ± .005 [.13]</div>	APPROVALS	DATE	<div>L-com™</div> <div>an INFINITI® brand</div>		<div>50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936</div>	
	DRAWN BY HBAKKE	04/12/2023				
	CHECKED BY DMAY	04/12/2023	CATEGORY			
	APPROVED BY DGUST	04/12/2023	BULK CABLE			
<div>THIRD-ANGLE PROJECTION</div> <div></div>	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY		PRODUCT DESCRIPTION Shielded Power Bulk Tray Cable, Exposed Run, 2 Conductor 12AWG 600V, TC-ER THHN THWN, UL86 UL1277 UL1581, 90C UV Res VW-1 PVC Black, 1KFT			
	COLOR VARIATIONS MAY OCCUR	SIZE A	CAGE CODE 43321	ITEM NO. PBTC122S	REV. A	
	SCALE: NONE		CAD FILE: PBTC122S.SLDDRW		SHEET 1 OF 1	