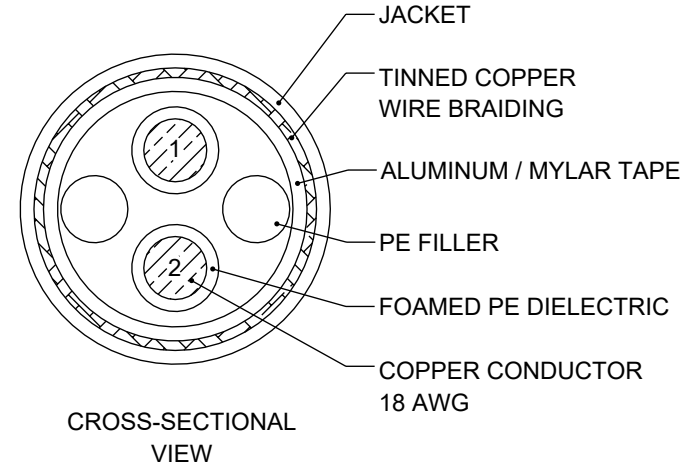


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REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/12/2023	SREITER	GUTTADAURO

1. CONSTRUCTION:
 1. CONDUCTOR: SOLID PLAIN ANNEALED BARE COPPER WIRE 1.033 +0 / -0.015 mm (18 AWG).
 2. INSULATION: FOAM-PE, 2.45 ±0.05 mm
 3. TWISTING: 1 TWISTED PAIR, 2 SINGLE CONDUCTORS PAIRED
 4. TWISTED PAIR COLOR CODE:
 1. WHITE
 2. BLUE
 5. SHIELDING (1): TINNED COPPER WIRE BRAIDING, MIN. 85% COVERAGE.
 6. SHIELDING (2): ALUMINUM / MYLAR TAPE, WRAPPED ALUMINUM SIDE FACE-OUT.
 7. OUTER DIAMETER: 6.6 ±0.3 mm
 8. JACKET COLOR: GREEN


2. MECHANICAL PROPERTIES:
 1. BEND RADIUS:
 1. ≥4X OD WITHOUT LOAD
 2. ≥8X OD WITH LOAD
 2. TEMPERATURE RANGE:
 1. DURING OPERATION: -40°C UP TO 80°C
 2. DURING INSTALLATION: 0°C UP TO 50°C
 3. FIRE RATING:
 1. MATERIAL: PUR
 2. FIRE RATING: IEC 60332-1



6.	MECHANICAL PROPERTIES	TESTING METHOD	UNIT	SPECIFICATION
1.	TENSILE INITIAL	UL 758	Mpa	MIN. 10.3
2.	ELONGATION INITIAL	UL 758	%	MIN. 100
3.	TENSILE HEAT AGING	UL 758	%	70
4.	ELONGATION HEAT AGING	UL 758	%	65

CABLE LENGTH		
PART NO.	FEET	METERS
TSPE01-05M	16.4	5
TSPE01-10M	32.8	10

3. REFERENCE STANDARD: IEC 61156-13

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm] 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] FRACTIONS ± 1/32 .XX = ± .02 [5] ANGLES ± 1° .XXX = ± .005 [1.3]	APPROVALS	DATE	 50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936	
	DRAWN BY SREITER	06/12/2023		CATEGORY BULK CABLE
	CHECKED BY DGUST	06/12/2023		
	APPROVED BY GUTTADAURO	06/12/2023		
THIRD-ANGLE PROJECTION	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION SINGLE PAIR ETHERNET (SPE) BULK SF/TP 18AWG SOLID, PUR GREEN, PER METER	SIZE A	
	COLOR VARIATIONS MAY OCCUR	CAGE CODE 43321	ITEM NO. TSPE01	
		SCALE: NONE	CAD FILE: TSPE01.SLDDRW SHEET 1 OF 2	

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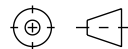

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/12/2023	SREITER	GUTTADAURO

1. ELECTRICAL PROPERTIES (AT 20°C ±5°C)

- | | | |
|----|---|------------------------------|
| 1. | DC RESISTANCE: | MAX. 6.03 Ω / 100 m AT 20°C |
| 2. | RESISTANCE UNBLANACE: | MAX. 2% AT 20°C |
| 3. | INSULATION RESISTANCE (500V): | MIN. 5000 MΩ / Km AT 20°C |
| 4. | MUTUAL CAPACITANCE: | MAX. 5.6 nf / 100 m AT 1 kHz |
| 5. | CAPACITANCE UNBALANCE (PAIR TO GROUND): | MAX 160 pf / 100 m AT 1 kHz |
| 6. | NOMINAL VELOCITY OF PROPOGATION: | NOM. 67% |
| 7. | TEST VOLTAGE (AC, 1 min): | 2 kV / 1 min |
| 8. | COUPLING ATTENUATION: | TYPE I |

2. TRANSMISSION PERFORMANCE ACC. TO IEC 61156-13 (AT 20°C / 100 m):

1.	FREQUENCY	IMPEDANCE (Ω)	INSERTION LOSS (dB) MAX.	RETURN LOSS (dB) MIN.	PROPAGATION DELAY (ns) MAX.
2.	1	100 ±15	1.5	20.0	570
3.	4	100 ±15	2.6	23.0	552
4.	10	100 ±15	4.1	25.0	545
5.	16	100 ±15	5.2	25.0	543
6.	20	100 ±15	5.8	25.0	542

<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]</p> <p>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</p> <p>ALL OTHER DIMENSIONAL TOLERANCES: .X = ± .2 [5] FRACTIONS ± 1/32 .XX = ± .02 [.5] ANGLES ± 1° .XXX = ± .005 [.13]</p> <p>THIRD-ANGLE PROJECTION</p> 	APPROVALS	DATE	 <p>50 High Street, West Mill, North Andover, MA 01845 USA. Phone: 1.800.341.5266 1.978.682.6936</p>	
	DRAWN BY SREITER	06/12/2023		<p>CATEGORY</p> <p>BULK CABLE</p>
	CHECKED BY DGUST	06/12/2023		
	APPROVED BY GUTTADAURO	06/12/2023		
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	PRODUCT DESCRIPTION			
COLOR VARIATIONS MAY OCCUR	SIZE A	CAGE CODE 43321	ITEM NO. TSPE01	REV. A
SCALE: NONE		CAD FILE: TSPE01.SLDDRW		SHEET 2 OF 2