

10-07-10 REV. 9

YR43406

I. DESCRIPTION

18 AWG (19 X 30) TINNED COPPER, PVC INSULATED,
25 UNSHIELDED PAIRS, OVERALL FOIL AND BRAID SHIELD,
PVC JACKET. AMAT P/N 1390-02399

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C: 2.1 A
NOM. CAPACITANCE BETWEEN
CONDUCTORS OF PAIR @ 1 KHZ: 30 PF/FT.
NOM. INDUCTANCE OF PAIRS: 0.15 MICRO-H/FT.
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C: 6.5 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C: 1.3 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -20 TO +80 DEG. C
CONDUCTOR MATERIAL & DIA: #18 (19X30) T.C.
.046" NOM.
INSULATION MATERIAL & DIA: PVC, .011" WALL
.066" NOM.
SHIELD TYPE AND % COVERAGE: ALUM/POLY TAPE; 100%
#20 AWG (19X30) TINNED
COPPER DRAIN WIRE,
TINNED COPPER BRD; 65%
JACKET MATERIAL: PVC (BLACK)
DIAMETER: .817" +/- .007"
TWISTED PAIR LAY LENGTH: 2" (6 TWIST/FT)
MAX. PULLING TENSION: 1325 LBS.
MIN. BEND RADIUS: 8"
NOM. WEIGHT/1000 FT.: 450 LBS.
APPLICABLE SPECIFICATION: UL AWM 2464
FLAME RESISTANCE: VW-1

IV. COLOR CODE:

PAIR #	COLOR COMBINATION
1	WHITE/BLUE & BLUE/WHITE
2	WHITE/ORANGE & ORANGE/WHITE
3	WHITE/GREEN & GREEN/WHITE
4	WHITE/BROWN & BROWN/WHITE
5	WHITE/GRAY & GRAY/WHITE
6	RED/BLUE & BLUE/RED
7	RED/ORANGE & ORANGE/RED
8	RED/GREEN & GREEN/RED
9	RED/BROWN & BROWN/RED
10	RED/GRAY & GRAY/RED
11	BLACK/BLUE & BLUE/BLACK
12	BLACK/ORANGE & ORANGE/BLACK
13	BLACK/GREEN & GREEN/BLACK
14	BLACK/BROWN & BROWN/BLACK
15	BLACK/GRAY & GRAY/BLACK
16	YELLOW/BLUE & BLUE/YELLOW
17	YELLOW/ORANGE & ORANGE/YELLOW
18	YELLOW/GREEN & GREEN/YELLOW
19	YELLOW/BROWN & BROWN/YELLOW
20	YELLOW/GRAY & GRAY/YELLOW
21	PURPLE/BLUE & BLUE/PURPLE
22	PURPLE/ORANGE & ORANGE/PURPLE
23	PURPLE/GREEN & GREEN/PURPLE
24	PURPLE/BROWN & BROWN/PURPLE
25	PURPLE/GRAY & GRAY/PURPLE