

10-10-11 REV. 0

1009642 PRODUCT 1
FIELD BUS CABLE

I. DESCRIPTION:

18 AWG (7X26) TINNED COPPER, POLYOLEFIN INSULATION,
TWISTED BELDFOIL SHIELDED PAIR, 20 AWG (7X28) TINNED
COPPER DRAIN WIRE, FRNHPO (LSZH) JACKET

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C: 5.2 A
NOM. MUTUAL CAPACITANCE
@ 1 KHZ: 24 PF/FT
NOM. CAPACITANCE CONDUCTOR
TO SHIELD @ 1 KHZ*: 45 PF/FT
NOM. INDUCTANCE OF PAIR: .19 MICRO-H/FT.
IMPEDANCE @ 31.25 KHZ: 100 +/- 20 OHMS
MAX. ATTENUATION @ 39 KHZ: .914 DB/1000 FT.
MAX. CONDUCTOR DCR @ 25 C: 6.92 OHMS/1000 FT
MAX. PROP. DELAY CHANGE FROM
7.812 KHZ - 39.06 KHZ: 518 PS/FT
MAX. CAPACITANCE UNBALANCE: 1.2 PF/FT
*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +90 DEG.C
INSULATION MATERIAL: POLYOLEFIN
JACKET MATERIAL: FRNHPO
TYPE SHIELD AND % COVERAGE: ALUM/POLYESTER 100%
TWISTED PAIR LAY LENGTH: 2.25" (5.33 TWIST/FT) NOMINAL
MAXIMUM PULLING TENSION: 59 LBS
MIN. BEND RADIUS: 2.8"
NOM. WEIGHT/1000 FT.: 35 LBS. ESTIMATED
APPLICABLE SPECIFICATIONS: UL TYPE ITC, PLTC
COLOR CODE: BLUE & ORANGE
NOM. DIAMETER: .28" AVG.
FLAME RESISTANCE: UL1685 VERTICAL TRAY