

Technical Data Sheet

24 OHMS/1000 FT

129841

I. DESCRIPTION:

@ 20 DEG. C

24 AWG (7X32) TINNED COPPER, POLYETHYLENE INSULATED TWISTED PAIR WITH AN OVERALL BELDFOIL AND TINNED COPPER BRAID SHIELD, 24 AWG TINNED COPPER DRAIN WIRE, PVC INNER JACKET, ALUMINUM INTERLOCKED ARMOR, OVERALL PVC JACKET.

II. **ELECTRICAL CHARACTERISTICS:**

MAX. OPERATING VOLTAGE 300 V RMS

MAX. CONTINUOUS CURRENT PER

CONDUCTOR @ 25 DEG. C 2.1 A

NOM. CAPACITANCE BETWEEN

CONDUCTORS @ 1 KHZ 12.8 PF/FT. ESTIMATED

NOM. CAPACITANCE CONDUCTOR TO

SHIELD @ 1 KHZ* 23.0 PF/FT. ESTIMATED

NOM. IMPEDANCE 120 OHMS

NOM. CONDUCTOR DC RESISTANCE

NOM. SHIELD DC RESISTANCE

3.35 OHMS/1000 FT. @ 20 DEG. C

NOM. VELOCITY OF PROPAGATION 66%

NOM. DELAY 1.6 NS/FT. ESTIMATED NOM. ATTENUATION @ 1 MHZ .6 DB/100 FT. ESTD.

*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40 TO +80 DEG.C INSULATION MATERIAL: POLYETHYLENE INNER JACKET MATERIAL (COLOR): PVC (CHROME)

TYPE SHIELD AND % COVERAGE: BELDFOIL/BRAID 100%/90% APPLICABLE SPECIFICATIONS(CORE): UL/C(UL) CM, AWM 2919

AN INTERLOCKED ALUMINUM ARMOR & PVC JACKET ARE APPLIED

OVER THE BELDEN 9841 CORE.

INNER JACKET DIAMETER: .232" NOMINAL DIA. OVER ARMOR: .442" NOMINAL OUTER JACKET DIAMETER: .532" NOMINAL MIN. BENDING RADIUS 5.3" ESTIMATED

134 LBS. ESTIMATED NOM. WEIGHT/1000' MAX. PULLING TENSION: 205 LBS. ESTIMATED

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SPECIFICATIONS:	SUNLIGHT	RESISTANT

CSA CMG

CSA HLBCD (HAZ.LOC.) UL1581 VERTICAL TRAY FLAME RATING:

CSA FT4 VERTICAL TRA

(70,000 BTU/HR)

IV. COLOR CODE:

WHITE/BLUE

BLUE/WHITE