

123109A

I. DESCRIPTION

FOUR 22 AWG (7 X 30) TINNED COPPER FOAM HIGH DENSITY POLY-ETHYLENE INSULATED TWISTED PAIRS WITH OVERALL BELDFOIL AND 65% TINNED COPPER BRAID SHIELD, 22 AWG TINNED COPPER DRAIN WIRE BLACK PVC JACKET, INTERLOCKED ALUMINUM ARMOR, OVERALL PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE 300 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C 2.7 A
NOM. CAPACITANCE BETWEEN
CONDUCTORS @ 1 KHZ 11.0 PF/FT.
NOM. CAPACITANCE CONDUCTOR TO
SHIELD @ 1 KHZ* 20.9 PF/FT.
NOM. IMPEDANCE @ 1MHZ 120 OHMS
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C 17.5 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C 1.4 OHMS/1000 FT.
NOM. VELOCITY OF PROPAGATION 78%
NOM. ATTENUATION @ 1 MHZ. .5 DB/100 FT.
*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING -40 TO +60 DEG.C
INSULATION MATERIAL DATALENE
INNER JACKET MATERIAL (COLOR): PVC (BLACK)
SUNLIGHT RESISTANCE: PASSES UL1581, 720 HOURS
TYPE SHIELD AND % COVERAGE: BELDFOIL/BRAID 100% 65%
APPLICABLE SPECIFICATIONS(CORE): UL PLTC & CM
CSA CM
NOM. DIAMETER(CORE): .454"

IV. COLOR CODE:

WHITE/BLUE
BLUE/WHITE
WHITE/ORANGE
ORANGE/WHITE



Technical Data Sheet

WHITE/GREEN
GREEN/WHITE
WHITE/BROWN
BROWN/WHITE

AN INTERLOCKED ALUMINUM ARMOR AND PVC JACKET ARE APPLIED
OVER THE BELDEN 3109A CORE.

DIAMETER OVER ARMOR: .66"
DIAMETER OVER PVC JACKET: .76" (BLACK) SUN RES
MIN. BENDING RADIUS: 9.6"
NOM. WEIGHT/1000": 263 LBS.
MAX. PULLING TENSION: 247 LBS.

SPECIFICATIONS: CSA/UL TYPE CMG
CSA HAZ. LOC.(H.L.)

Class I Div II area provided that the cable is installed with proper
cable termination. And as always, check with your local authority with
jurisdiction.

FLAME RATING: UL1581 VERTICAL TRAY
CSA FT4 VERTICAL TRAY
(70,000 BTU/HR)