

Technical Data Sheet

08/03/20 REV. 7

YC55952

I. DESCRIPTION:

COMPOSITE CABLE CONSISITING OF 4 INDIVIDUAL CATEGORY 5E U/UTP, 4 PAIR CABLES, #23 AWG SOLID BARE COPPER, POLYOLEFIN INSULATION SINGLES ADJOINED, DATATUFF PVC JACKETS, ALUMINUM INTERLOCKED ARMOR, PVC JACKET OVER ARMOR.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS NOM. CAPACITANCE @ 1 KHZ: 15 PF/FT.

NOM. VELOCITY OF PROPAGATION: 70%

MAX. DELAY SKEW: 45 NS/100 M
MAX DELAY @ 100MHZ: 538 NS/100 M
MAX. COND. D.C.R. @ 20C: 9.38 OHMS/100 M

MAX. D.C.R. UNBALANCE @ 20 C: 3.0%

III. PHYSICAL CHARACTERISTICS:

OPERATING TEMPERATURE: -25 TO 75 DEG C
INSULATION MATERIAL: BONDED POLYOLEFIN
SHIELD TYPE AND COVERAGE: BELDFOIL® TAPE; 10

SHIELD TYPE AND COVERAGE: BELDFOIL® TAPE; 100% SHIELD DRAIN: 24 AWG (7X32) TIN COPPER

JACKET MATERIAL: PVC, SUN RES

NOM. DIAMETER (EACH CORE ONLY): .250"

NOM. BULK CABLE WEIGHT: .296 LBS/FT

IV. COLOR CODE (EACH CABLE):

PAIR #1: WHITE/BLUE & BLUE

PAIR #2: WHITE/ORANGE & ORANGE PAIR #3: WHITE/GREEN & GREEN PAIR #4: WHITE/BROWN & BROWN

A INTERLOCKED ALUMINUM ARMOR AND PVC JACKET ARE APPLIED OVER THE BELDEN CORE 4X U/UTP 5E.

ARMOR THICKNESS: .025"

NOM. DIAMETER OVER ARMOR: .854" EST.
NOM. DIAMETER OVER PVC JACKET: .952" EST.

MIN. BENDING RADIUS: 11.4" SPECIFICATIONS (OVERALL): UL CM

*APPLICABLE SPECS AFTER

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ARMORING: TIA 568-C.2 CAT 5E
SUITABILITY - INDOOR YES
SUITABILITY - OUTDOOR YES
OIL RESISTANCE YES

*The 4 individual cables combined to make this cable are Belden 7940A. While 7940A is a Category 6 cable, category 6 electricals are not guaranteed due to the additional processing to create this composite cable.