

08/03/20 REV. 7

YC55952

I. DESCRIPTION:

COMPOSITE CABLE CONSISTING 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; 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	

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.**