

02-22-13 REV. 1

QUOTE 1035933A LINE 1
(BELDEN PRE-ASSIGNED PART# Y59925)

I. DESCRIPTION:

CATEGORY 5E SCTP, 4 PAIR, #24 AWG SOLID BARE COPPER,
POLYPROPYLENE INSULATION, OVERALL BELDFOIL(R) SHIELD,
#24 AWG STRANDED T.C. DRAIN WIRE, LSZH JACKET.

II. PHYSICAL CHARACTERISTICS:

OPERATING TEMPERATURE: -30 TO 105 DEG. C
INSULATION MATERIAL: POLYPROPYLENE
JACKET MATERIAL: LSOH
SHIELDING: ALUMINUM/MYLAR FOIL
100% COVERAGE, #24 AWG
STRANDED TC DRAIN WIRE
MAX. PULLING TENSION: 25 LBS.
NOM. WEIGHT/1000 FT.: 35.0 LBS.
MIN. BEND RADIUS: 2.5"
NOM. DIAMETER: .260"
APPLICABLE SPECIFICATIONS: NEMA WC-63.1 CATEGORY 5E
UL CMG-LS
FLAME RATING AND TEST: UL 1685 FT4 LOADING,
LIMITED SMOKE

III. COLOR CODE:

PAIR #1: WHITE/BLUE & BLUE
PAIR #2: WHITE/ORANGE & ORANGE
PAIR #3: WHITE/GREEN & GREEN
PAIR #4: WHITE/BROWN & BROWN

IV. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG C: 1.4 A
NOM. CAPACITANCE @ 1 KHZ: 15 PF/FT.
NOM. VELOCITY OF PROPAGATION: 70%
MAX. DELAY @ 100 MHZ: 538 NS/100 M
MAX. DELAY SKEW: 45 NS/100 M
MAX. RESISTANCE UNBALANCE @
20C: 3%

MAX. CONDUCTOR DCR @ 20 C: 9.38 OHMS/100 M

FREQUENCY (MHZ)	IMPEDANCE (OHMS)	MIN RL (DB)	MAX ATTEN (DB/100M)
1.0	100 +/- 15%	20.0	2.0
4.0	100 +/- 15%	23.0	4.1
8.0	100 +/- 15%	24.5	5.8
10.0	100 +/- 15%	25.0	6.5
16.0	100 +/- 15%	25.0	8.2
20.0	100 +/- 15%	25.0	9.3
25.0	100 +/- 15%	24.3	10.4
31.25	100 +/- 15%	23.6	11.7
62.5	100 +/- 15%	21.5	17.0
100	100 +/- 15%	20.1	22.0

FREQUENCY (MHZ)	MIN PSACR (DB/100M)	MIN PSELFEXT (DB/100M)	MIN PSNEXT (DB/100M)
1.0	60.3	60.8	62.3
4.0	49.2	48.7	53.3
8.0	43.0	42.7	48.8
10.0	40.8	40.8	47.3
16.0	36.1	36.7	44.3
20.0	33.5	34.7	42.8
25.0	30.9	32.8	41.3
31.25	28.2	30.9	39.9
62.5	18.4	24.8	35.4
100	10.3	20.8	32.3