

Téchnical Data Sheet

02-22-13 REV. 1

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



Τ. 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.

PHYSICAL CHARACTERISTICS: TT.

OPERATING TEMPERATURE:

INSULATION MATERIAL:

JACKET MATERIAL:

SHIELDING:

MAX. PULLING TENSION:

NOM. WEIGHT/1000 FT.:

MIN. BEND RADIUS:

NOM. DIAMETER:

APPLICABLE SPECIFICATIONS:

FLAME RATING AND TEST:

-30 TO 105 DEG. C

POLYPROPYLENE

LSOH

ALUMINUM/MYLAR FOIL

100% COVERAGE, #24 AWG STRANDED TC DRAIN WIRE

25 LBS.

35.0 LBS.

2.5"

. .260"

NEMA WC-63.1 CATEGORY 5E

UL CMG-LS

UL 1685 FT4 LOADING,

LIMITED SMOKE

COLOR CODE: III.

PAIR #1: WHITE/BLUE & BLUE

PAIR #2: WHITE/ORANGE & ORANGE

PAIR #3: WHITE/GREEN & GREEN

PAIR #4: WHITE/BROWN & BROWN

ELECTRICAL CHARACTERISTICS: IV.

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:

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MAX. CONDUCTOR DCR @ 20 C:

9.38 OHMS/100 M

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

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

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