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Belden Wire & Cable Company
Technical Data Fax

To: Patti Starich
IEWC

12629571654

From: Natalie Wampole/Belden

tech data for YR50510 to follow...

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Belden Wire & Cable Company

Product Code
YR50510

TECHNICAL
DATA SHEET
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01-10-07 REV 0

YR50510

I. DESCRIPTION:

18 AWG (19X 30) TINNED COPPER, 2 CONDUCTORS, FEP
INSULATED, ALUMINUM/MYLAR SHIELDED (FOIL OUT PLUS
20 AWG DRAIN), FEP JACKETED. FOR USE IN INDOOR PLENUM
ENVIRONMENTS BUT ALSO SUITABLE FOR OUTDOOR AND
UNDERGROUND APPLICATIONS.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
MAX. CONTINUOUS CURRENT
PER CONDUCTOR @ 25 DEG. C: 5.4 A
NOM. CAPACITANCE BETWEEN
ADJACENT CONDUCTORS: 51 PF/FT.
NOM. CAPACITANCE BETWEEN
CONDUCTOR AND SHIELD: 97 PF/FT.
NOM. IMPEDANCE: 29 OHMS
NOM. INDUCTANCE: .15 MICRO-H/FT.
NOM. VELOCITY OF PROPAGATION: 69%
NOM. DELAY: 1.47 NS/FT.
NOM. CONDUCTOR DC RESISTANCE
@ 25 DEG. C: 5.5 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 25 DEG. C: 7.3 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -70 TO +200 DEG.C
INSULATION MATERIAL: FEP
JACKET MATERIAL (COLOR): FEP (RED)
TYPE SHIELD AND % COVERAGE: ALUM/MYLAR, 100%
PAIR LAY LENGTH: 2.0" (6.0 TWISTS/FT.)
MAX. PULLING TENSION: 64 LBS.
MIN. BEND RADIUS: 1.5"
NOM. DIAMETER: .146"
NOM. WEIGHT/1000 FT.: 21.4 LBS.
FLAME RESISTANCE: UL 910 STEINER TUNNEL
APPLICABLE SPECIFICATIONS: UL TYPE CMP
CSA C(UL) CMP
BLACK, RED
COLOR CODE:
CHEMICAL RESISTANCE: GASOLINE, OIL

* * * * * END OF DATA FOR PRODUCT - YR50510 * * * * *