

02/02/2006 14:49:41 Belden Electronics

--> Industrial Electric

P.002/002

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Belden Wire & Cable Company      Product Code      TECHNICAL
                                196428           DATA SHEET
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12/3/02 REV. 1

196428

I. DESCRIPTION:

18 AWG (19X#30) SILVER COATED COPPER, TFE TEFLON, SILVER COATED COPPER SHIELD, TAPE TFE JACKET.

II. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE:           600 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C:           8.0 AMPS
NOM. CAPACITANCE CONDUCTOR TO
SHIELD @ 1 KHZ:                   77.4 PF/FT.
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C:                       4.7 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C:                       3.8 OHMS/1000 FT.
NOM. INSULATION RESISTANCE
@ 500 VDC:                         8,021 MEGOHMS/1000 FT.
NOM. INDUCTANCE CONDUCTOR TO
SHIELD:                             .037 MICRO-H/FT.

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III. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RATING:               -65 DEG C +200 DEG C
INSULATION MATERIAL:              TFE TEFLON
JACKET MATERIAL:                  TFE TEFLON TAPE
TYPE SHIELD AND % COVERAGE:      SILVER COATED COPPER
                                   BRAID 90.0%
MAX. PULLING TENSION:             142.7 LBS.
MIN. BEND RADIUS:                 1.80 INCHES
NOM. WEIGHT/1000 FT.:            33.0 LBS.
APPLICABLE SPECIFICATIONS:        MIL-W-16878/4 FOR THE
                                   INSULATED CONDUCTORS
                                   WHITE, BLACK
COLOR CODE:                       WHITE, BLACK
FLAME RESISTANCE:                 UL 1581 VW-1

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