

08/24/16 REV. 7

133107A

I. DESCRIPTION:

TWO 22 AWG (7X30) TINNED COPPER, DATALENE (FOAMED POLYETHELENE) INSULATED TWISTED PAIRS WITH OVERALL BELDFOIL AND 65% TINNED COPPER BRAID SHIELD, 22 AWG TINNED COPPER DRAIN WIRE, BLACK PVC JACKET, STEEL INTERLOCKED ARMOR, OVERALL PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

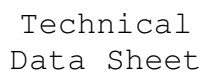
MAX. OPERATING VOLTAGE: 300 V RMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C: 2.7 A
NOM. CAPACITANCE BETWEEN
CONDUCTORS @ 1 KHZ: 11.0 PF/FT.
NOM. CAPACITANCE CONDUCTOR TO
SHIELD @ 1 KHZ*: 20.9 PF/FT.
NOM. IMPEDANCE @ 1 MHZ: 120 OHMS
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C: 14.7 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C: 2.8 OHMS/1000 FT.
NOM. VELOCITY OF PROPAGATION: 78%
NOM. ATTENUATION @ 1 MHZ: .5 DB/100 FT.
*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -20 TO +60 DEG.C
INSULATION MATERIAL: DATALENE
INSULATION THICKNESS: .0245" NOM.
OVERALL CABLING LAY: 3.75" (3.2 TWISTS/FT)
INNER JACKET MATERIAL: PVC, SUN RES, OIL RES
INNER JACKET THICKNESS: .053" NOM.
TYPE SHIELD AND % COVERAGE: BELDFOIL/BRAID - 100%/65%
CORE DIAMETER: 0.35"

© 2016
Belden Wire
& Cable
Company
All Rights
Reserved.

All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall Belden personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure accuracy at the time of this publication, information and specifications are subject to change without notice, and the listing of such information and specifications does not ensure product availability or suitability for a given purpose. Belden provides the information and specifications as a service to its customers and does not constitute an offer of insurance, express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if such damages are foreseeable, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All rights reserved.
peng: cwc



All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure accuracy at the time of this publication, information and specifications, and the listing of such information and specifications do not ensure product availability or our suitability for a given purpose. Belden provides the information and specifications, express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, under contract, negligence, or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sale.



Technical
Data Sheet

© 2016
Belden Wire
& Cable
Company
All Rights
Reserved.

All information contained herein is confidential. Its use is restricted to authorized Belden personnel or authorized vendors or customers of Belden. Under no circumstances shall personnel without the expressed written consent of Belden. Although Belden makes every reasonable effort to ensure accuracy at the time of this publication, information and specifications does not ensure product availability or suitability for a given purpose. Belden provides the information and specifications as a service and does not warrant, express, statutory, or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even action under contract, negligence, or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein. All sale.

peng: cwc