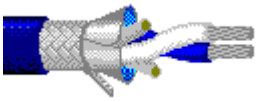
FULL TECHNICAL SPECS



9463 Twinax - Twinaxial Computer and Instrumentation Cable

Total # Cond.
2

AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
20	(7x28)	TC - Tinned Copper	PE - Polyethylene	.01900	Aluminum Foil-Polyester Tape/Braid Shielc

Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Imp. (Ohms)	Nom. Vel. of Prop. (%)	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0310	.1500	.2430	9.500	78.0	66.0	19.700

For technical data, click the button below	For available colors, click the button below
Tech Data or call 1-888-Belden8	Put-ups & Colors or call 1-888-Belden8

Description
Multi-Conductor, 1 twinax (2 conductors), 20 AWG, stranded (7x28) TC - Tinned Copper conductors, PE - Polyethylene insulation, Aluminum Foil-Polyester Tape (Beldfoil) shield with a 20 AWG stranded (7x28) tinned copper drain wire and 100% shield coverage plus tinned copper Braid shield with 55% shield coverage, PVC - Polyvinyl Chloride jacket. Applicable Specifications: UL Type CM, CL2, AWM 2464, CEC C(UL) CM, Allen Bradley P/N 1770-CD P-7K-SC-182006-2-MSHA. Flame Resistance: UL 1581 Vertical Tray. Blue Hose Cable for DH and DH+ Systems. 78 Ohm Twinax. Coaxial. Industrial Automation & Process Control Cables. Industrial Twinax Cables. Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification. Recommended for RF applications requiring a cross-talk free, balanced operation. BELDFOIL is a Belden registered trademark.

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a comment

06/04/02

TECHNICAL DATA

Customer Number • 000001 Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code 9463 Go

Example: 9269

Product Search

TECHNICAL DATA

05-04-01 REV. 19

9463

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I. DESCRIPTION: BLUE HOSE(R)* CABLE FOR DH AND DH+ SYSTEMS

#20 AWG (7X28) TINNED COPPER, 78 OHM TWINAX, POLYESTER/ ALUMINUM TAPE, 20 AWG (7X28) TINNED COPPER DRAIN WIRE & TINNED COPPER BRAID SHIELD, PVC JACKET.

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II. ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE:	78 OHMS
NOM. INDUCTANCE:	.12 MICRO-H/FT.
NOM. CAPACITANCE BETWEEN CONDUCTORS:	19.7 PF/FT.
NOM. CAPACITANCE BETWEEN CONDUCTOR & SHIELD:	36 PF/FT.
NOM. VELOCITY OF PROPAGATION:	66%
NOM. DELAY:	1.54 NS/FT.

ATTENUATION

NOMINAL

MHZ	DB/100 FT.
1	.6
10	2.1
50	3.6
100	7.5
200	11.0
400	16.0

NOM. SHIELD DC RESISTANCE:	4.1 OHMS/1000 FT.
NOM. CONDUCTOR DC RESISTANCE:	9.5 OHMS/1000 FT.
MAX. OPERATING VOLTAGE:	300 VOLTS

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     DC RESISTANCE UNBALANCE:          .77 OHMS/1000 FT. MAX
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III. PHYSICAL CHARACTERISTICS:
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     NOM. WEIGHT/1000 FT.:             36 LBS.
     MIN. BENDING RADIUS:              2.5"
     TEMPERATURE RATING:               -40 TO +80 DEG. C
     TYPE SHIELD AND % COVERAGE:       BELDFOIL TAPE - 100%
                                       T.C. BRAID - 55%
     MAX. PULLING TENSION:             48 LBS.
     INSULATION MATERIAL:              POLYETHYLENE
     JACKET MATERIAL (COLOR):          PVC (BLUE**)
     NOM. DIAMETER:                    .238"
     APPLICABLE SPECIFICATIONS:        UL TYPE CM OR CL2
                                       AWM 2464
                                       CEC C(UL) CM
                                   ALLEN BRADLEY P/N 1770-CD
                                       P-7K-SC-182006-2-MSHA
     FLAME RESISTANCE:                 UL 1581 VERTICAL TRAY
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* BLUE HOSE IS AN OFFICIALLY REGISTERED TRADEMARK OF BELDEN
  WIRE & CABLE
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** ALSO AVAILABLE IN OTHER COLORS
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