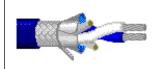


9463 Twinax - Blue Hose® Cable







See Put-ups and Colors

Description:

20~AWG~stranded~(7x28)~.038"~tinned~copper~conductors,~polyethylene~insulation,~Beldfoil &~(100%~coverage)~plus~a~tinned~copper~braid~shield~(55%~coverage),~sunlight-resistant~PVC~jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	1
Total Number of Conductors	2
AWG	20
Stranding	7x28
Conductor Diameter	.038 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material PE - Polyethylene

PAIR:

Pair Diameter .154 in.

Pair Color Code Chart:

Number	Color
1	Clear & Blue

OUTER SHIELD:

Outer Shield Trade NameBeldfoil®Outer Shield TypeTape/Braid

Outer Shield Material:

Layer Number	Material Trade Name	Туре	Material	% Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	55

Outer Shield % Coverage 100 %

OUTER SHIELD DRAIN WIRE:

OUTER SHIELD DRAIN WIRE:	
Outer Shield Drain Wire AWG	20
Outer Shield Drain Wire Stranding	7x28H
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper



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OUTER JACKET:

Outer Jacket Material PVC - Polyvinyl Chloride

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter .238 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	80°C (UL AWM Style 2464)
Bulk Cable Weight	36 lbs/1000 ft.
Max. Recommended Pulling Tension	48 lbs.
Min. Bend Radius (Install)	2.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CM, CL2
CEC/C(UL) Specification	CM
AWM Specification	UL Style 2464 (300 V 80°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2005
PMSHA Specification	P-7K-SC-182141
Customer Part Number Reference Specification	Allen Bradley P/N 1770-CD

FLAME TEST:

UL Flame Test UL1685 UL Loading

SUITABILITY:

Sunlight Resistance Yes

PLENUM/NON-PLENUM:

 Plenum (Y/N)
 N

 Plenum Number
 89463

ELECTRICAL CHARACTERISTICS:

Nom. Characteristic Impedance	78 Ohms
Nom. Inductance	0.12 μH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19.7 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	36 pF/ft
Nominal Velocity of Propagation	66 %
Nominal Delay	1.54 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	9.5 Ohms/1000 ft
Nominal Outer Shield DC Resistance	4.1 Ohms/1000 ft

Detailed Specifications & Technical Data



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Nom. Attenuation:

Description	Frequency (MHz)	Start Frequency (MHz)	Stop Frequency (MHz)	Nom. Attenuation (dB/100 ft.)
	1			0.6
	10			2.1
	50			5.0
	100			7.5
	200			11.0
	400			16.0

Max. Operating Voltage - UL

300 V RMS (UL AWM Style 2464)

Other Electrical Characteristic 1

DC Resistance Unbalanced: .77 Ohms/1000 ft Max

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
9463 0011000	78 OHM TWINAX	1000	39	BROWN	
9463 00110000	78 OHM TWINAX	10000	380	BROWN	CZ
9463 0016000	78 OHM TWINAX	6000	234	BROWN	CZ
9463 0031000	78 OHM TWINAX	1000	39	ORANGE	С
9463 00310000	78 OHM TWINAX	10000	380	ORANGE	CZ
9463 0036000	78 OHM TWINAX	6000	234	ORANGE	CZ
9463 0071000	00 OHM TWINAX	1000	39	VIOLET	С
9463 0076000	78 OHM TWINAX	6000	234	VIOLET	CZ
9463 J22100	78 OHM TWINAX	100	4.4	BLUE, STRONG	
9463 J221000	78 OHM TWINAX	1000	39	BLUE, STRONG	С
9463 J22500	78 OHM TWINAX	500	18	BLUE, STRONG	
9463 J226000	78 OHM TWINAX	6000	234	BLUE, STRONG	CZ
9463 J22U1000	78 OHM TWINAX	U1000	38	BLUE, STRONG	
9463 J22U500	78 OHM TWINAX	U500	19.5	BLUE, STRONG	

C = CRATE REEL PUT-UP.

 $Z = FINAL\ PUT-UP\ LENGTH\ MAY\ VARY\ (+\ OR\ -)\ 10\%\ FOR\ SPOOLS\ OR\ REELS\ AND\ (+\ OR\ -)\ 5\%\ FOR\ UNREEL\ CARTONS\ FROM\ LENGTH\ SHOWN.$

Revision Number: 1 Revision Date: 08-20-2007

Detailed Specifications & Technical Data



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