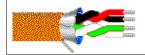
# **Detailed Specifications & Technical Data**

**ENGLISH MEASUREMENT VERSION** 



## 3125A Multi-Conductor - DeviceBus® for Square D/Seriplex®



For more Information please call

1-800-Belden1





## **Description**

16 and 22 AWG stranded tinned copper conductors, foam HDPE insulation (power), foam HDPE insulation (data), overall Beldfoil® shield (100% coverage), 22 AWG stranded (7x30) tinned copper drain wire, PVC jacket.

# **Physical Characteristics (Overall):**

#### Conductor:

**AWG** 

# Conductors	AWG	Stranding	Conductor Material	Dia. (in.)
2	16	26x30	TC - Tinned Copper	0.060
2	22	7x30	TC - Tinned Copper	0.030

## Insulation:

Insulation Material

Layer # Ins Trade Name Ins Material		Wall Thickness (in.)	Dia. (in.)	AWG	
		FHDPE - Foam High Density Polyethylene	0.025		16
		FHDPE - Foam High Density Polyethylene	0.040		22

#### **Outer Shield:**

**Outer Shield Material** 

Outer Shield Trade Name	Туре	Outer Shield Material
Beldfoil®	Таре	Aluminum Foil-Polyester Tape

Outer Shield Drain Wire AWG

AWG	Stranding	Drain Wire Conductor Material		
22	7x30	TC - Tinned Copper		

Outer Shield Drain Wire Diameter .030

#### **Outer Jacket:**

**Outer Jacket Material** 

Outer Jacket Material
PVC - Polyvinyl Chloride

#### **Overall Cabling:**

Overall Cabling Lay Length & Direction

Length (in.)	Direction
4.000	Left Hand

Overall Cabling Separator Material Foamed Polypropylene Tape

Overall Nominal Diameter: .368 in.

# **Mechanical Characteristics (Overall):**

Operating Temperature Range	-20°C To +75°C
Non-UL Temperature Rating	75°C
Bulk Cable Weight:	55.600 lbs/1000 ft.
Max. Recommended Pulling Tension:	85 lbs.

# Applicable Specifications and Agency Compliance (Overall):

#### **Applicable Standards:**

NEC/(UL) Specification CL2, CM

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# **Detailed Specifications & Technical Data ENGLISH MEASUREMENT VERSION**



# 3125A Multi-Conductor - DeviceBus® for Square D/Seriplex®

CM
Yes
Yes
01/01/2004
Seriplex CBL 1622-P1
UL1685 UL Loading
N

# **Electrical Characteristics (Overall):**

Nom. Capacitance Conductor to Shield

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/ft)
22 AWG				16.000
16 AWG				28.000

Nom. Capacitance Conductor to Conductor

Description	Freq. (MHz)	Start Freq. (MHz)	Stop Freq. (MHz)	Capacitance (pF/ft)
22 AWG				9.000
16 AWG				16.000

Nominal Velocity of Propagation

Description	VP (%)
16 AWG	78
22 AWG	78

Nom. Conductor DC Resistance

Description		DCR @ 20°C (Ohm/1000 ft)
	16 AWG	4.490
	22 AWG	18.100

Nominal Outer Shield DC Resistance

DCR @ 20°C (Ohm/1000 ft)
16.000

Max. Operating Voltage - UL

Voltage	Description		
300 V RMS	CM		
150 V RMS	CL2		

Max. Operating Voltage - Non-UL



## **PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
3125A 0031000	1,000 FT	63.000 LB	ORANGE	С	2 #16,2#22 FHDPE FS PVC ORG
3125A 003500	500 FT	31.500 LB	ORANGE	С	2 #16,2#22 FHDPE FS PVC ORG

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 05-14-2007

# **Detailed Specifications & Technical Data**

ENGLISH MEASUREMENT VERSION



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