

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. (mm) |
|--------------|-----|-----------|--------------------|-----------|
| 2 | 16 | 26x30 | TC - Tinned Copper | 1.524 |
| 2 | 22 | 7x30 | TC - Tinned Copper | 0.762 |

Total Number of Conductors: 4

Insulation**Insulation Material:**

| Insulation Material | Wall Thickness (mm) | AWG |
|--|---------------------|-----|
| FHDPE - Foam High Density Polyethylene | 0.635 | 16 |
| FHDPE - Foam High Density Polyethylene | 1.016 | 22 |

Outer Shield**Outer Shield Material:**

| Outer Shield Trade Name | Type | Outer Shield Material |
|-------------------------|------|------------------------------|
| Beldfoil® | Tape | 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 Cable**Overall Cabling Lay Length & Direction:**

| Length (mm) | Direction |
|-------------|-----------|
| 101.5996 | Left Hand |

Overall Cabling Separator Material: Foamed Polypropylene Tape

Overall Nominal Diameter: 9.347 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +75°C

Non-UL Temperature Rating: 75°C

Bulk Cable Weight: 82.744 Kg/Km

Max. Recommended Pulling Tension: 378.097 N

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------|
| NEC/(UL) Specification: | CL2, CM |
| CEC/C(UL) Specification: | CM |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| Other Specification: | Seriplex CBL 1622-P1 |

Flame Test

| | |
|----------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
|----------------|-------------------|

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Shield:

| Description | Capacitance (pF/m) |
|-------------|--------------------|
| 22 AWG | 52.496 |
| 16 AWG | 91.868 |

Nom. Capacitance Conductor to Conductor:

| Description | Capacitance (pF/m) |
|-------------|--------------------|
| 22 AWG | 29.529 |
| 16 AWG | 52.496 |

Nominal Velocity of Propagation:

| Description | VP (%) |
|-------------|--------|
| 16 AWG | 78 |
| 22 AWG | 78 |

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/km) |
|-------------|---------------------|
| 16 AWG | 14.7317 |
| 22 AWG | 59.3861 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 52.496 |

Max. Operating Voltage - UL:

| Voltage | Description |
|-----------|-------------|
| 300 V RMS | CM |
| 150 V RMS | CL2 |

Max. Operating Voltage - Non-UL:

| Voltage |
|-----------|
| 350 V RMS |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|--------|-------------|--------|-------|-------------------------|
| 3125A 0031000 | 305 MT | 28.576 KG | ORANGE | C | 2 #16,2#22 FHDPE FS PVC |

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Notes:

C = CRATE REEL PUT-UP.

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