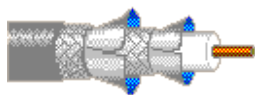


3092A Coax - ControlNet™ Quad Shielded Coax



For more Information
please call

1-800-Belden1

**Description:**

18 AWG solid bare copper-covered steel conductor, foam polyethylene insulation, Duobond® IV Quad Shield (100% coverage), PVC Jacket.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1 | 18 | Solid | BCCS - Bare Copper Covered Steel | .040 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|--------------------------------------|------------|
| Gas-injected FPE - Foam Polyethylene | .180 |

Outer Shield**Outer Shield Material:**

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---------------------------------------------------|--------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | AL - Aluminum | 60 |
| 3 | Duofoil® | Tape | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 4 | | Braid | AL - Aluminum | 40 |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cabling

Overall Nominal Diameter: 0.298 in.

Mechanical Characteristics (Overall)

| | |
|----------------------------------------|-----------------|
| Operating Temperature Range: | -30°C To +75°C |
| Bulk Cable Weight: | 33 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 162 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 3 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CL2R, CMR |
| CEC/C(UL) Specification: | CMG FT4 |
| 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 |

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| | |
|-----------------------------------|-----|
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |
| RG Type: | 6/U |

Flame Test

| | |
|----------------|-----------------------|
| UL Flame Test: | UL1666 Vertical Shaft |
|----------------|-----------------------|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 75 |

Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| .097 |

Nom. Capacitance Conductor to Shield:

| Capacitance (pF/ft) |
|---------------------|
| 16.2 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 82 |

Nominal Delay:

| Delay (ns/ft) |
|---------------|
| 1.28 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 28.0 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 3.6 |

Nom. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|--------------------------|
| 1 | .35 |
| 2 | .38 |
| 5 | .45 |
| 10 | .59 |
| 20 | .86 |
| 50 | 1.37 |
| 100 | 1.97 |
| 200 | 2.82 |
| 300 | 3.48 |
| 400 | 4.04 |

Minimum Structural Return Loss:

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Min. SRL (dB) |
|-------------|-------------|-------------------|------------------|---------------|
| | | 5 | 50 | 23 |

Notes (Overall)

Notes: CPE Jacket is optional. 2500 ft put-up available in Black only.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|----------|-------|------------------------|
| 3092A X7E1000 | 1,000 FT | 37.000 LB | BLUE X7E | C | #18 GIFHDLDPD DBSH PVC |
| 3092A X7E2000 | 2,000 FT | 82.000 LB | BLUE X7E | C | #18 GIFHDLDPD DBSH PVC |

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| | | | | | |
|---------------|----------|------------|----------|---|-------------------------|
| 3092A X7E500 | 500 FT | 21.000 LB | BLUE X7E | | #18 GIFHDLDPPE DBSH PVC |
| 3092A 0021000 | 1,000 FT | 37.000 LB | RED | C | #18 GIFHDLDPPE DBSH PVC |
| 3092A 0101000 | 1,000 FT | 37.000 LB | BLACK | C | #18 GIFHDLDPPE DBSH PVC |
| 3092A 0102000 | 2,000 FT | 82.000 LB | BLACK | C | #18 GIFHDLDPPE DBSH PVC |
| 3092A 0102500 | 2,500 FT | 100.000 LB | BLACK | C | #18 GIFHDLDPPE DBSH PVC |
| 3092A 010500 | 500 FT | 21.000 LB | BLACK | | #18 GIFHDLDPPE DBSH PVC |

Notes:

C = CRATE REEL PUT-UP.

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

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