

1097A Triad - 600V Tray Cable



For more Information
please call

1-800-Belden1

**General Description:**

16 AWG triads stranded (7x24) bare copper conductors, twisted triads, individually shielded plus an overall Beldfoil shield (100% coverage), PVC/Nylon insulation, PVC jacket.

Physical Characteristics (Overall)**Conductor**

AWG:

| # Triads | AWG | Stranding | Conductor Material |
|----------|-----|-----------|--------------------|
| 4 | 16 | 7x24 | BC - Bare Copper |

Total Number of Conductors: 12

Insulation

Insulation Material:

| Insulation Material |
|--------------------------------------|
| PVC/Nylon - Polyvinyl Chloride/Nylon |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 18 |

Inner Shield Drain Wire Stranding: 7x26

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Shield Color Code Chart:

| Number | Color |
|--------|------------------------------------|
| 1 | Black & White & Red and numbered 1 |
| 2 | Black & White & Red and numbered 2 |
| 3 | Black & White & Red and numbered 3 |
| 4 | Black & White & Red and numbered 4 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 16 | 7x24 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .063 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (twist/ft) |
|--------------|-------------------|
| 7.000 | 1.710 |

Overall Nominal Diameter: 0.640 in.

Pair

Pair Lay Length & Direction:

| Lay Length (in.) | Twists (twist/ft) |
|------------------|-------------------|
| 3.000 | 4.000 |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|----------------------|
| Wet Temperature Range: | -30°C To +75°C |
| Dry Temperature Range: | -30°C To +90°C |
| Bulk Cable Weight: | 254.700 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 554 lbs. |
| Min. Bend Radius/Minor Axis: | 6.400 in. |

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

| | |
|---------------------------------------|-------------------------|
| NEC(UL) Specification: | NPLF, TC-ER |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| 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): | 04/01/2005 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |
| Other Specification: | ICEA S-73-532, S-61-402 |

Flame Test

| | |
|------------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| CSA Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Suitability

| | |
|------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 3.67 |

Nom. Inner Shield DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| | 4.99 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 3.07 |

Max. Operating Voltage - UL:

| Voltage |
|-------------------------|
| 600 V RMS (NEC Type TC) |
| 150 V RMS (NPLF) |

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|--------------|-------|-------|-----------------------------|
| 1097A 0105000 | 5,000 FT | 1,340.000 LB | BLACK | C Z | 4 FS TRP #16 PVC/NYL FS PVC |

Notes:

ENGLISH MEASUREMENT VERSION

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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.

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