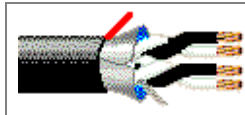


**1048A Multi-Conductor - 600V Tray Cable**



For more Information  
 please call  
 1-800-Belden1



**Description**

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC/Nylon insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

**Physical Characteristics (Overall):**

**Conductor:**

AWG

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2.000   | 18  | 7x26      | BC - Bare Copper   |

**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 |
|-----|
| 20  |

Inner Shield Drain Wire Stranding 7x28

Inner Shield Drain Wire Conductor Material TC - Tinned Copper

**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 |
|-----|-----------|-------------------------------|
| 18  | 7x26      | TC - Tinned Copper            |

**Outer Jacket:**

Outer Jacket Material

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.048                     |

Outer Jacket Ripcord Yes

**Overall Cabling:**

Overall Cabling Lay Length & Direction

| Length (in.) |
|--------------|
| 4.000        |

Overall Nominal Diameter: 0.381 in.

**Pair:**

Pair Color Code Chart

| Number | Color                    |
|--------|--------------------------|
| 1      | Black & White Numbered 1 |

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|   |                          |
|---|--------------------------|
| 2 | Black & White Numbered 2 |
|---|--------------------------|

Pair Lay Length & Direction

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 2.500            | 4.800                 |

**Mechanical Characteristics (Overall):**

|  |                 |
|--|-----------------|
| Wet Temperature Range                  | -30°C To +75°C  |
| Dry Temperature Range                  | -30°C To +90°C  |
| Bulk Cable Weight:                     | 77 lbs/1000 ft. |
| Max. Recommended Pulling Tension:      | 140 lbs.        |
| Min. Bend Radius (Install)/Minor Axis: | 3.800 in.       |

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

|                                      |                         |
|--------------------------------------|-------------------------|
| EU CE Mark (Y/N)                     | Yes                     |
| EU RoHS Compliant (Y/N)              | Yes                     |
| EU RoHS Compliance Date (mm/dd/yyyy) | 04/01/2005              |
| Other Specification                  | ICEA S-73-532, S-61-402 |

**Flame Test:**

|                  |                   |
|------------------|-------------------|
| UL Flame Test    | UL1685 UL Loading |
| C(UL) Flame Test | FT4               |
| IEEE Flame Test  | 1202              |

**Suitability:**

|                      |     |
|----------------------|-----|
| Suitability - Burial | Yes |
| Sunlight Resistance  | Yes |

**Plenum/Non-Plenum:**

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

**Electrical Characteristics (Overall):**

Nom. Capacitance Conductor to Conductor

| Capacitance (pF/ft) |
|---------------------|
| 38.800              |

Nom. Conductor DC Resistance

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 5.860                    |

Nominal Outer Shield DC Resistance

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 4.910                    |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:7.460 Ohm/1000 ft

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                      |
|---------------|----------|-------------|-------|-------|--------------------------------|
| 1048A 0107500 | 7,500 FT | 622.500 LB  | BLACK | C Z   | 2 FS PR #18 PVC/NYL FS PVC BLK |

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**Notes:**

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: 04-15-2008

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