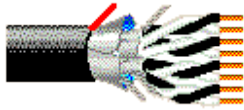


For more Information  
please call

1-800-Belden1



### Description:

16 AWG pairs stranded (7x24) 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 |
|---------|-----|-----------|--------------------|
| 6       | 16  | 7x24      | 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 |
|-----|
| 18  |

Inner Shield Drain Wire Stranding: 7x26

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 |
|-----|-----------|-------------------------------|
| 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.) |
|--------------|
| 7.0          |

Overall Nominal Diameter: 0.682 in.

#### Pair

##### Pair Color Code Chart:

| Number | Color |
|--------|-------|
|        |       |

|   |                              |
|---|------------------------------|
| 1 | Black & White and Numbered 1 |
| 2 | Black & White and Numbered 2 |
| 3 | Black & White and Numbered 3 |
| 4 | Black & White and Numbered 4 |
| 5 | Black & White and Numbered 5 |
| 6 | Black & White and Numbered 6 |

**Pair Lay Length & Direction:**

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 2.750            | 4.360                 |

## Mechanical Characteristics (Overall)

|   |                  |
|---|------------------|
| <b>Wet Temperature Range:</b>                 | -30°C To +75°C   |
| <b>Dry Temperature Range:</b>                 | -30°C To +90°C   |
| <b>Bulk Cable Weight:</b>                     | 200 lbs/1000 ft. |
| <b>Max. Recommended Pulling Tension:</b>      | 428 lbs.         |
| <b>Min. Bend Radius (Install)/Minor Axis:</b> | 6.800 in.        |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|  |                         |
|--|-------------------------|
| <b>NEC/(UL) Specification:</b>               | NPLF, TC                |
| <b>EU CE Mark:</b>                           | Yes                     |
| <b>EU Directive 2000/53/EC (ELV):</b>        | Yes                     |
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes                     |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 04/01/2005              |
| <b>EU Directive 2002/96/EC (WEEE):</b>       | Yes                     |
| <b>EU Directive 2003/11/EC (BFR):</b>        | Yes                     |
| <b>CA Prop 65 (CJ for Wire &amp; Cable):</b> | Yes                     |
| <b>MII Order #39 (China RoHS):</b>           | Yes                     |
| <b>Other Specification:</b>                  | ICEA S-73-532, S-61-402 |

### Flame Test

|                          |                   |
|--------------------------|-------------------|
| <b>UL Flame Test:</b>    | UL1685 UL Loading |
| <b>C(UL) Flame Test:</b> | FT4               |
| <b>IEEE Flame Test:</b>  | 1202              |

### Suitability

|                              |     |
|------------------------------|-----|
| <b>Suitability - Burial:</b> | Yes |
| <b>Sunlight Resistance:</b>  | Yes |

### Plenum/Non-Plenum

|                      |    |
|----------------------|----|
| <b>Plenum (Y/N):</b> | No |
|----------------------|----|

## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 50              |

### Nom. Inductance:

| Inductance (µH/ft) |
|--------------------|
| .182               |

### Nom. Capacitance Cond. to Other Conductor & Shield:

| Capacitance (pF/ft) |
|---------------------|
| 87                  |

**Nom. Mutual Capacitance:**

| Capacitance (pF/ft) |
|---------------------|
| 48                  |

**Nom. Conductor DC Resistance:**

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

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 3.01                     |

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 5.070 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.

### Related Documents:

No related documents are available for this product

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight  | Color | Notes | Item Desc                  |
|---------------|----------|--------------|-------|-------|----------------------------|
| 1040A 0105000 | 5,000 FT | 1,495.000 LB | BLACK | C Z   | 6 FS PR #16 PVC/NYL FS PVC |

**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.

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