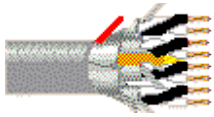


For more Information  
please call

1-800-Belden1



### Description:

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

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
|              | 16      | 16  | 7x24      | BC - Bare Copper   |
| 1            |         | 22  | 7x30      | BC - Bare Copper   |

Total Number of Conductors: 33

#### Insulation

##### Insulation Material:

| Insulation Material      |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### 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 (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.8796                   |

Outer Jacket Ripcord: Yes

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

| Length (mm) |
|-------------|
| 375.91852   |

Overall Nominal Diameter: 23.774 mm

#### 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 |

## 3051A Multi-Conductor - 300V Power-Limited Tray Cable

|                    |                               |
|--------------------|-------------------------------|
| 4                  | Black & White and Numbered 4  |
| 5                  | Black & White and Numbered 5  |
| 6                  | Black & White and Numbered 6  |
| 7                  | Black & White and Numbered 7  |
| 8                  | Black & White and Numbered 8  |
| 9                  | Black & White and Numbered 9  |
| 10                 | Black & White and Numbered 10 |
| 11                 | Black & White and Numbered 11 |
| 12                 | Black & White and Numbered 12 |
| 13                 | Black & White and Numbered 13 |
| 14                 | Black & White and Numbered 14 |
| 15                 | Black & White and Numbered 15 |
| 16                 | Black & White and Numbered 16 |
| Communication Wire | Orange                        |

**Pair Lay Length & Direction:**

| Lay Length (mm) | Twists (twist/m) |
|-----------------|------------------|
| 63.5            | 15.749           |

### Mechanical Characteristics (Overall)

|  |                 |
|--|-----------------|
| <b>Operating Temperature Range:</b>      | -30°C To +105°C |
| <b>Bulk Cable Weight:</b>                | 945.007 Kg/Km   |
| <b>Max. Recommended Pulling Tension:</b> | 2940.260 N      |
| <b>Min. Bend Radius/Minor Axis:</b>      | 236.220 mm      |

### Applicable Specifications and Agency Compliance (Overall)

**Applicable Standards & Environmental Programs**

|                                 |                             |
|---------------------------------|-----------------------------|
| <b>CEC/C(UL) Specification:</b> | CMG                         |
| <b>AWM Specification:</b>       | UL Style 2464 (300 V 105°C) |

**Flame Test**

|                         |                    |
|-------------------------|--------------------|
| <b>UL Flame Test:</b>   | UL1685 FT4 Loading |
| <b>CSA 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. Capacitance Cond. to Other Conductor & Shield:**

| Capacitance (pF/m) |
|--------------------|
| 360.91             |

**Nom. Conductor DC Resistance:**

| Description | DCR @ 20°C (Ohm/km) |
|-------------|---------------------|
| 16 AWG      | 13.7802             |
| 22 AWG      | 53.1522             |

**Nominal Outer Shield DC Resistance:**

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 11.4835             |

**Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C:** 19.686 Ohm/km

**Max. Operating Voltage - UL:**

METRIC MEASUREMENT VERSION

## 3051A Multi-Conductor - 300V Power-Limited Tray Cable

**Voltage**

300 V RMS

### Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

Revision Number: 1    Revision Date: 04-17-2008

© 2012 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.