

Part Number: 1074A

600V Tray, (24 pr) 16 AWG (7x24) BC, PVC-NYL/PVC,  
Foil Shld, TC-ER

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## Product Description

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

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## Product Specifications

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## Technical Specifications

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### Construction and Dimensions

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#### Conductor:

| AWG                                | Stranding | Material         | No. of Pairs |
|------------------------------------|-----------|------------------|--------------|
| 16                                 | 7x24      | BC - Bare Copper | 24           |
| <b>Total Number of Conductors:</b> |           |                  | 48           |

#### Insulation:

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

#### Color Chart 1:

| 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  |
| 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 |
| 17     | Black & White and Numbered 17 |
| 18     | Black & White and Numbered 18 |
| 19     | Black & White and Numbered 19 |
| 20     | Black & White and Numbered 20 |
| 21     | Black & White and Numbered 21 |
| 22     | Black & White and Numbered 22 |
| 23     | Black & White and Numbered 23 |
| 24     | Black & White and Numbered 24 |

**Stranding:**

| Lay Length |
|------------|
| 2.5 in     |
| 2.75 in    |

**Cabling 1:**

|            |
|------------|
| Lay Length |
| 13.8 in    |

**Outershield 1:**

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | TC - Tinned Copper | 16            | 7x24 mm                      |

**Outerjacket 1:**

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 1.158 in         | 0.085 in               | Yes     |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 3.67 Ohm/1000ft       | 2.69 Ohm/1000ft          |

### Voltage:

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

## Use

|                                    |          |
|------------------------------------|----------|
| Suitability - Burial:              | Yes      |
| Suitability - Sunlight Resistance: | Yes      |
| Max Recommended Pulling Tension:   | 1749 lbs |

## Safety

|                     |                   |
|---------------------|-------------------|
| C(UL) Flammability: | FT4               |
| IEEE Flammability:  | 1202              |
| UL Flammability:    | UL1685 UL Loading |

## Temperature Range

|                 |                 |
|-----------------|-----------------|
| Dry Temp Range: | -30°C To +90 °C |
| Wet Temp Range: | -30°C To +75°C  |

## Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 11.6 in |
|-----------------------------|---------|

## Part Number

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

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |

|                                 |                               |
|---------------------------------|-------------------------------|
| <b>NEC/(UL) Specification:</b>  | NEC/(UL) Specification        |
| <b>Other Specification:</b>     | Other Specification           |
| <b>EU Directive Compliance:</b> | EU Directive 2003/11/EC (BFR) |

## History

|               |  |
|---------------|--|
| <b>Notes:</b> | Alternate color coding available upon request. |
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## Product Variants

| Part Number   | Color | Put-Up Type | Length  |
|---------------|-------|-------------|---------|
| 1074A 0101250 | BLACK | Reel        | 1250 ft |
| 1074A 0105000 | BLACK | Reel        | 5000 ft |
| 1074A 0107500 | BLACK | Reel        | 7500 ft |

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