

Part Number: 1477A

300V, (12 pr) 18 AWG (7x26) BC, (1) 22 AWG (7x30) BC,  
PVC/PVC, Foil Shld, PLTC-ER, CMG

## Product Description

Twelve 18 AWG pairs stranded (7x26) bare copper conductors, one 22 AWG stranded (7x30) bare copper conductor, twisted pairs, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                         | Stranding | Material         | No. of Conductors | No. of Pairs |
|-----------------------------|-----------|------------------|-------------------|--------------|
| 18                          | 7x26      | BC - Bare Copper |                   | 12           |
| 22                          | 7x30      | BC - Bare Copper | 1                 |              |
| Total Number of Conductors: |           |                  | 25                |              |

#### Insulation:

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

#### 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 |
| Communication | Orange                        |

#### Innershield:

| Type | Material                     | Material Trade Name | Coverage [%] | Drainwire AWG      | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil®           | 100 %        | 20                 | 7x28 mm                      |
|      |                              |                     |              | TC - Tinned Copper |                              |

#### 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 | 18            | 7x26 mm                      |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.727 in         | 0.064 in               | Yes     |

|                      |  |
|----------------------|--|
| <b>Print Legend:</b> | BELDEN 1477A E34972 12PR18 1C22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR AWM 2464 80C 300V OR C(UL) CMG---FT4 IEEE1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|----------------------|--|

## Electrical Characteristics

#### Conductor DCR:

| Element | Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Outer Shield DCR |
|---------|------------------------------------|-----------------------|--------------------------|
| 18 AWG  | 10.3 Ohm/1000ft                    | 5.86 Ohm/1000ft       | 4.1 Ohm/1000ft           |
| 22 AWG  |                                    | 14.7 Ohm/1000ft       |                          |

#### Current:

### Max. Recommended Current [A]

2.5 Amps per conductor @ 25°C

### Voltage:

#### UL Voltage Rating

300 V RMS

### Use

|                                    |         |
|------------------------------------|---------|
| Suitability - Burial:              | Yes     |
| Suitability - Indoor:              | Yes     |
| Suitability - Outdoor:             | Yes     |
| Suitability - Sunlight Resistance: | Yes     |
| Max Recommended Pulling Tension:   | 779 lbs |

### Safety

|                    |                    |
|--------------------|--------------------|
| CSA Flammability:  | FT4                |
| IEEE Flammability: | 1202               |
| UL Flammability:   | UL1685 FT4 Loading |

### Temperature Range

|                       |                 |
|-----------------------|-----------------|
| Operating Temp Range: | -30°C To +105°C |
|-----------------------|-----------------|

### Mechanical Characteristics

|                             |         |
|-----------------------------|---------|
| Min Bend Radius/Minor Axis: | 7.25 in |
|-----------------------------|---------|

### Part Number

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

### Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| CEC/C(UL) Specification:          | CEC/C(UL) Specification          |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| NEC/(UL) Specification:           | NEC/(UL) Specification           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |
| EU CE Mark:                       | EU CE Mark                       |

## History

**Notes:**

Alternate color coding available upon request.

## Product Variants

| Part Number   | Color       | Put-Up Type | Length  |
|---------------|-------------|-------------|---------|
| 1477A 0061000 | BLUE, LIGHT | Reel        | 1000 ft |
| 1477A 0105000 | BLACK       | Reel        | 5000 ft |

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