



**Part Number:** 27161A

600V Tray, (2) 1 AWG (19x14) BC+Grd, PVC-NYL/PVC, TC

## Product Description

Two 1 AWG stranded (19x14) bare copper conductors plus ground wire, PVC/Nylon insulation, PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| Element                            | AWG | Stranding | Material         | No. of Conductors |
|------------------------------------|-----|-----------|------------------|-------------------|
|                                    | 1   | 19x14     | BC - Bare Copper | 3                 |
| Ground Wire                        | 6   | 7x14      | BC - Bare Copper |                   |
| <b>Total Number of Conductors:</b> |     |           |                  | 3                 |

#### Insulation:

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

#### Color Chart 1:

| Number | Color                |
|--------|----------------------|
| 1      | Black and Numbered 1 |
| 2      | Black and Numbered 2 |
| 3      | Black and Numbered 3 |

#### Stranding:

| Lay Length |
|------------|
| Y mm       |

#### Outershield 1:

| Material   |
|------------|
| Unshielded |

#### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 1.12 in          | 0.08 in                | Yes     |

## Electrical Characteristics

#### Voltage:

| UL Voltage Rating |
|-------------------|
| 600 V RMS         |

## Use

|                                    |          |
|------------------------------------|----------|
| Suitability - Burial:              | Yes      |
| Suitability - Sunlight Resistance: | Yes      |
| Max Recommended Pulling Tension:   | 2919 lbs |

## Safety

|                    |                   |
|--------------------|-------------------|
| CSA Flammability:  | FT4               |
| ICEA Flammability: | T-29-520          |
| 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: | 11.2 in |
|-----------------------------|---------|

## Part Number

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

## Standards

|  |                                  |
|--|----------------------------------|
| <b>CA Prop 65 (CJ for Wire &amp; Cable):</b> | CA Prop 65 (CJ for Wire & Cable) |
| <b>MII Order #39 (China RoHS):</b>           | 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

© 2016 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.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.