



**Part Number:** 27082A

600V Tray, (4) 14 AWG (7x22) BC, PVC-NYL/PVC, TC

## Product Description

Four 14 AWG stranded (7x22) bare copper conductors, PVC/Nylon insulation, PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material         | No. of Conductors |
|------------------------------------|-----------|------------------|-------------------|
| 14                                 | 7x22      | BC - Bare Copper | 4                 |
| <b>Total Number of Conductors:</b> |           |                  | 4                 |

#### Insulation:

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

#### Color Chart 1:

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | Red    |
| 3      | Blue   |
| 4      | Orange |

#### Outersheild 1:

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

### Outerjacket 1:

| Material                 | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.374 in         | 0.047 in               |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 2.6 Ohm/1000ft        |

### Current:

| Max. Recommended Current [A] |
|------------------------------|
| 12 Amps per conductor @ 25°C |

### Voltage:

| UL Description | UL Voltage Rating |
|----------------|-------------------|
| NPLF           | 150 V RMS         |
| TC             | 600 V RMS         |

## Use

|                                    |         |
|------------------------------------|---------|
| Suitability - Burial:              | Yes     |
| Suitability - Sunlight Resistance: | Yes     |
| Max Recommended Pulling Tension:   | 218 lbs |

## Safety

|                     |                   |
|---------------------|-------------------|
| C(UL) Flammability: | FT4               |
| ICEA Flammability:  | T-29-520          |
| 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: | 3.7 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)       |
| NEC/(UL) Specification:           | NEC/(UL) Specification           |
| Other Specification:              | Other Specification              |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |
| EU CE Mark:                       | EU CE Mark                       |

## History

## Product Variants

| Part Number     | Color | Put-Up Type | Length   |
|-----------------|-------|-------------|----------|
| 27082A 01010000 | BLACK | Reel        | 10000 ft |
| 27082A 0101000  | BLACK | Reel        | 1000 ft  |
| 27082A 0105000  | BLACK | Reel        | 5000 ft  |

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