# BELDEN
SENDING ALL THE RIGHT SIGNALS

**Part Number:** 27080A

600V Tray, (2) 14 AWG (7x22) BC, PVC-NYL/PVC, TC

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## Product Description

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

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## Product Specifications

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## Technical Specifications

### Construction and Dimensions

**Conductor:**

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|----------|-------------------|
| 14 | 7x22 | BC - Bare Copper | 2 |

| Total Number of Conductors: | 2 |
|------------------------------|---|

**Insulation:**

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

**Color Chart 1:**

| Number | Color |
|--------|-------|
| 1 | Black |
| 2 | Red |

**Outershield 1:**

| Material |
|---|
| Unshielded |

## Outerjacket 1:

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.21 x 0.326 in | 0.047 in |

## Electrical Characteristics

### Conductor DCR:

| Nominal Conductor DCR |
|---|
| 2.52 Ohm/1000ft |

### Current:

| Max. Recommended Current [A] |
|---|
| 25 Amps per conductor at 30C |

### 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: | 64 lbs |

## Safety

| CSA Flammability: | FT4 |
|---|---|
| IEEE Flammability: | 1202 |
| UL Flammability: | UL1685 Vertical Tray Flame Test |

## Temperature Range

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

## Mechanical Characteristics

| Min Bend Radius/Minor Axis: | 2.2 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

| Notes: | Parallel (untwisted) construction |
|---|---|

## Product Variants

| Part Number | Color | Put-Up Type | Length |
|---|---|---|---|
| 27080A 01010000 | BLACK | Reel | 10000 ft |
| 27080A 0101000 | BLACK | Reel | 1000 ft |
| 27080A 0105000 | BLACK | Reel | 5000 ft |