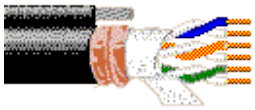
# Detailed Specifications & Technical Data

**ENGLISH MEASUREMENT VERSION**

**603680 Multi-Conductor - Spec 40-4 Communications Cable**



For more Information please call

1-800-Belden1

## Description:

19 AWG solid bare copper conductors, HDPE insulation, corrugated copper tape shield, steel messenger, LDPE jacket.

## Physical Characteristics (Overall)

### Conductor

**AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---|---|---|---|
| 3 | 19 | Solid | BC - Bare Copper |

### Insulation

**Insulation Material:**

| Insulation Material | Wall Thickness (in.) |
|---|---|
| HDPE - High Density Polyethylene | .016 |

### Outer Shield

**Outer Shield Material:**

| Type | Outer Shield Material | Coverage (%) |
|---|---|---|
| Tape | Corrugated Copper Tape | 100 |

### Outer Jacket

**Outer Jacket Material:**

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|---|---|
| LDPE - Low Density Polyethylene | .045 |

### Messenger

| | |
|---|---|
| **Messenger Diameter:** | 0.250 in. |
| **Messenger Material:** | Steel |

### Overall Cable

**Overall Cabling Color Code Chart:**

| Number | Color |
|---|---|
| 1 | White & Blue |
| 2 | White & Orange |
| 3 | White & Green |

| | |
|---|---|
| **Overall Nominal Diameter:** | 0.430 x 0.900 in. |

## Mechanical Characteristics (Overall)

| | |
|---|---|
| **Operating Temperature Range:** | -30°C To +80°C |
| **Bulk Cable Weight:** | 229 lbs/1000 ft. |
| **Max. Recommended Pulling Tension:** | 93 lbs. |
| **Min. Bend Radius (Install)/Minor Axis:** | 9 in. |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

| | |
|---|---|
| **EU Directive 2000/53/EC (ELV):** | Yes |
| **EU Directive 2002/95/EC (RoHS):** | Yes |

| | |
|---|---|
| **EU RoHS Compliance Date (mm/dd/yyyy):** | 01/01/2004 |
| **EU Directive 2002/96/EC (WEEE):** | Yes |
| **EU Directive 2003/11/EC (BFR):** | Yes |
| **CA Prop 65 (CJ for Wire & Cable):** | Yes |
| **MII Order #39 (China RoHS):** | Yes |
| **IMSA Specification:** | 40-4 |

### Suitability

| | |
|---|---|
| **Suitability - Outdoor:** | Yes |
| **Suitability - Aerial:** | Yes |

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

**Nom. Conductor DC Resistance:**

| DCR @ 20°C (Ohm/1000 ft) |
|---|
| 8.2 |

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---|---|---|---|---|---|

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