



For more Information
please call

1-800-Belden1



General Description:

16 AWG pairs stranded (19x29) tinned copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 16 | 19x29 | TC - Tinned Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

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

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 16 | 19x29 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.194 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 7.468 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------|
| 1 | Black & Red |

Mechanical Characteristics (Overall)

Wet Temperature Range: -30°C To +75°C

Dry Temperature Range: -30°C To +90°C

Bulk Cable Weight: 83.339 Kg/Km

Max. Recommended Pulling Tension: 177.928 N

Min. Bend Radius/Minor Axis: 76.200 mm

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: NPLF, TC

EU Directive 2011/65/EU (ROHS II): Yes

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

| | |
|-----------------------------------|-------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MIL Order #39 (China RoHS): | Yes |
| Other Specification: | ICEA S-73-532, S-61-402 |

Flame Test

| | |
|-------------------|-------------------|
| UL Flame Test: | UL1685 UL Loading |
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Burial: | Yes |
| Sunlight Resistance: | Yes |

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------------|
| Inductance (µH/m) |
| 0.6562 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------------|
| Capacitance (pF/m) |
| 164.05 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------------|
| Capacitance (pF/m) |
| 285.447 |

Nom. Conductor DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 13.780 |

Nominal Outer Shield DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 13.780 |

Max. Operating Voltage - UL:

| |
|-------------------------|
| Voltage |
| 600 V RMS (NEC Type TC) |
| 150 V RMS (NPLF) |

Max. Recommended Current:

| |
|-----------------------------|
| Current |
| 8 Amps per conductor @ 30°C |

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|-----------|-------------|-------|-------|------------------------|
| 9342 0101000 | 1,000 FT | 55.000 LB | BLACK | C | 2 #16 PVC/NYL SHLD PVC |
| 9342 01010000 | 10,000 FT | 630.000 LB | BLACK | | 2 #16 PVC/NYL SH PVC |
| 9342 010500 | 500 FT | 27.500 LB | BLACK | C | 2 #16 PVC/NYL SHLD PVC |
| 9342 0105000 | 5,000 FT | 300.000 LB | BLACK | | 2 #16 PVC/NYL SHLD PVC |

Notes:

C = CRATE REEL PUT-UP.

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