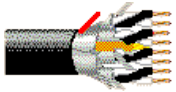


1477A Multi-Conductor - 300V Power-Limited Tray Cable



For more Information
please call

1-800-Belden1



General Description:

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, individually shielded plus an overall Beldfoil (100% coverage), PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
| | 12 | 18 | 7x26 | BC - Bare Copper |
| 1 | | 22 | 7x30 | BC - Bare Copper |

Total Number of Conductors: 25

Insulation

Insulation Material:

| Insulation Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 20 |

Inner Shield Drain Wire Stranding: 7x28

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

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 |
|-----|-----------|-------------------------------|
| 18 | 7x26 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .064 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.739 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------------------------|
| 1 | Black & White and Numbered 1 |
| 2 | Black & White and Numbered 2 |
| 3 | Black & White and Numbered 3 |
| 4 | Black & White and Numbered 4 |
| 5 | Black & White and Numbered 5 |
| 6 | Black & White and Numbered 6 |
| 7 | Black & White and Numbered 7 |
| 8 | Black & White and Numbered 8 |
| 9 | Black & White and Numbered 9 |
| 10 | Black & White and Numbered 10 |
| 11 | Black & White and Numbered 11 |

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| | |
|---------------|-------------------------------|
| 12 | Black & White and Numbered 12 |
| Communication | Orange |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|------------------|
| Operating Temperature Range: | -30°C To +105°C |
| Bulk Cable Weight: | 328 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 779 lbs. |
| Min. Bend Radius/Minor Axis: | 7.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------|
| NEC/(UL) Specification: | CMG, ITC-ER, PLTC-ER |
| CEC/C(UL) Specification: | CMG |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | 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 |

Flame Test

| | |
|------------------|--------------------|
| UL Flame Test: | UL1685 FT4 Loading |
| CSA Flame Test: | FT4 |
| IEEE Flame Test: | 1202 |

Suitability

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

Plenum/Non-Plenum

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

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| 18 AWG | 5.86 |
| 22 AWG | 14.7 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 4.1 |

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.300 Ohm/1000 ft

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Recommended Current:

| Current |
|-------------------------------|
| 2.5 Amps per conductor @ 25°C |

Notes (Overall)

Notes: Alternate color coding available upon request.

Put Ups and Colors:

ENGLISH MEASUREMENT VERSION

1477A Multi-Conductor - 300V Power-Limited Tray Cable

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|--------------|-------------|-------|--------------------------------|
| 1477A 0061000 | 1,000 FT | 342.000 LB | BLUE, LIGHT | C | 12FS PR #18 + 1 #22 PVC FS PVC |
| 1477A 0105000 | 5,000 FT | 1,570.000 LB | BLACK | C Z | 12 FS PR #18 +1 #22 PVC FS PVC |

Notes:

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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