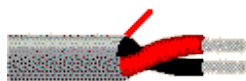


## 9407 Multi-Conductor - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG pairs stranded (7x30) tinned copper conductors, twisted pairs, PVC insulation, unshielded, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 2

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (mm) | Dia. (mm) |
|--------------------------|---------------------|-----------|
| PVC - Polyvinyl Chloride | 0.432               | 1.575     |

**Outer Shield****Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.940                    |

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 5.029 mm

**Pair****Pair Color Code Chart:**

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

**Pair Lay Length & Direction:**

| Lay Length (mm) | Twists (twist/m) |
|-----------------|------------------|
| 50.8            | 19.686           |

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -30°C To +105°C

UL Temperature Rating: 105°C

Bulk Cable Weight: 24.853 Kg/Km

Max. Recommended Pulling Tension: 84.516 N

Min. Bend Radius/Minor Axis: 50.800 mm

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

## 9407 Multi-Conductor - 300V Power-Limited Tray Cable

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CMG, ITC, PLTC             |
| CEC/C(UL) Specification:              | CMG                        |
| AWM Specification:                    | UL Style 2464 (300 V 80°C) |
| 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                        |
| MII Order #39 (China RoHS):           | Yes                        |

## Flame Test

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

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Burial:  | No  |
| Sunlight Resistance:   | Yes |

## Plenum/Non-Plenum

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

## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Characteristic Impedance:

Impedance (Ohm)

90

## Nom. Inductance:

Inductance (µH/m)

0.68901

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

85.306

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

49.215

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

5.8 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #        | Putup  | Ship Weight | Color  | Notes | Item Desc     |
|---------------|--------|-------------|--------|-------|---------------|
| 9407 060U1000 | 305 MT | 8.618 KG    | CHROME |       | 2 #22 PVC PVC |
| 9407 060U500  | 152 MT | 4.536 KG    | CHROME |       | 2 #22 PVC PVC |
| 9407 0602500  | 762 MT | 21.546 KG   | CHROME |       | 2 #22 PVC PVC |

## 9407 Multi-Conductor - 300V Power-Limited Tray Cable

### Test Reports

**a) UL**

- i) UL Test Reports are available on-line through the UL Client Document Access web portal.
- ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

**b) CSA**

- i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
- ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

Revision Number: 2    Revision Date: 11-23-2009

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