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## General Description:

16 AWG pairs stranded (19x29) tinned copper conductors, twisted pairs, PVC/Nylon insulation, unshielded, 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 Material |
|-----------------------|
| Unshielded            |

### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.2192                   |

Outer Jacket Ripcord: Yes

### Overall Cable

Overall Nominal Diameter: 7.493 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: 72.922 Kg/Km

Max. Recommended Pulling Tension: 311.374 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 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

## METRIC MEASUREMENT VERSION

## 9487 Multi-Conductor - 600V Tray Cable

|                             |                         |
|-----------------------------|-------------------------|
| MII 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 ( $\mu\text{H/m}$ ) |
| 0.49215                        |

### Nom. Capacitance Conductor to Conductor:

|                    |
|--------------------|
| Capacitance (pF/m) |
| 85.306             |

### Nom. Conductor DC Resistance:

|                     |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 14.0099             |

### Max. Operating Voltage - UL:

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

### Max. Recommended Current:

|                             |
|-----------------------------|
| Current                     |
| 8 Amps per conductor @ 25°C |

## Notes (Overall)

Notes: Alternate color coding available upon request.

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc         |
|--------------|----------|-------------|-------|-------|-------------------|
| 9487 0101000 | 1,000 FT | 54.000 LB   | BLACK | C     | 2 #16 PVC/NYL PVC |
| 9487 010500  | 500 FT   | 27.000 LB   | BLACK | C     | 2 #16 PVC/NYL PVC |
| 9487 0105000 | 5,000 FT | 275.000 LB  | BLACK | C Z   | 2 #16 PVC/NYL 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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