

## Description:

22 AWG triads stranded (7x30) tinned copper conductors, twisted triads, PVC insulation, overall Beldfoil shield (100% coverage), PVC jacket.

## Physical Characteristics (Overall)

### Conductor

#### AWG:

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

### Insulation

#### Insulation Material:

| Insulation Material      | Dia. (in.) |
|--------------------------|------------|
| PVC - Polyvinyl Chloride | .062       |

### 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 |
|-----|-----------|--------------------|--------------------|
| 22  | 7x30      | TC - Tinned Copper |                    |

### Outer Jacket

#### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .037                      |

Outer Jacket Ripcord: Yes

### Overall Cabling

#### Overall Cabling Color Code Chart:

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

Overall Nominal Diameter: 0.208 in.

## Mechanical Characteristics (Overall)

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

UL Temperature Rating: 105°C

Bulk Cable Weight: 26 lbs/1000 ft.

Max. Recommended Pulling Tension: 29 lbs.

Min. Bend Radius (Install)/Minor Axis: 2 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, ITC, CMG

CEC/(UL) Specification: CMG

## 9363 Triad - 300V Power-Limited Tray Cable

|                                       |            |
|---------------------------------------|------------|
| 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                |
| IEEE Flame Test:  | 1202               |
| ICEA Flame Test:  | T-29-520           |

### Suitability

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

### Plenum/Non-Plenum

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

### Surface Printing (Overall)

|                   |  |
|-------------------|--|
| Surface Printing: | LEGEND: BELDEN 9363 E34972 1TRD22 (UL) CMG 105C OR PLTC OR ITC<br>SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) CMG----FT4 IEEE<br>1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET |
|-------------------|--|

### Electrical Characteristics (Overall)

#### Nom. Inductance:

Inductance (µH/ft)

.21

#### Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft)

45

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

26

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

60

#### Max. Operating Voltage - UL:

Voltage

300

#### Max. Recommended Current:

Current

3.8 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|---------------|----------|-------------|--------|-------|--------------------|
| 9363 060U1000 | 1,000 FT | 26.000 LB   | CHROME |       | 3 #22 PVC SHLD PVC |
| 9363 060U500  | 500 FT   | 13.500 LB   | CHROME |       | 3 #22 PVC SHLD PVC |

# UL Instrumentation Cable

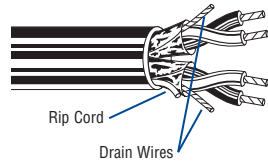
## 300V Power-Limited Tray Cables

### Industrial Grade Sunlight- and Oil-Resistant Jackets

| Description | Part No. | No. of Pairs/Triads | Color Code | Standard Lengths |   | Standard Unit Weight |    | Jacket Thickness |    | Nominal OD |    | Maximum Pull Tension |   | Minimum Bend Radius |    |
|-------------|----------|---------------------|------------|------------------|---|----------------------|----|------------------|----|------------|----|----------------------|---|---------------------|----|
|             |          |                     |            | Ft.              | m | Lbs.                 | kg | Inch             | mm | Inch       | mm | Lbs.                 | N | Inch                | mm |

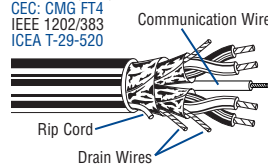
**22 AWG Pairs Stranded (7x30) Tinned Copper Conductors • Twisted Pairs**

| Individually Shielded • PVC Insulation • Chrome PVC Jacket            |      |    |    |      |       |       |       |      |      |      |       |     |      |      |        |
|---|------|----|----|------|-------|-------|-------|------|------|------|-------|-----|------|------|--------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520 | 9328 | 2  | E2 | 500  | 152.4 | 23.5  | 10.2  | .042 | 1.07 | .323 | 8.20  | 54  | 240  | 3.00 | 76.20  |
|   |      |    |    | 1000 | 304.8 | 46.0  | 20.9  |      |      |      |       |     |      |      |        |
|   | 9329 | 3  | E2 | 500  | 152.4 | 29.5  | 13.4  | .042 | 1.07 | .341 | 8.66  | 54  | 240  | 3.50 | 88.90  |
|   |      |    |    | 1000 | 304.8 | 60.0  | 27.3  |      |      |      |       |     |      |      |        |
|   | 9330 | 4  | E2 | 500  | 152.4 | 39.0  | 17.7  | .042 | 1.07 | .372 | 9.45  | 110 | 489  | 3.50 | 88.90  |
|   |      |    |    | 1000 | 304.8 | 75.0  | 34.0  |      |      |      |       |     |      |      |        |
|   | 9331 | 6  | E2 | 500  | 152.4 | 55.0  | 24.5  | .053 | 1.35 | .457 | 11.61 | 101 | 449  | 4.33 | 109.98 |
|   |      |    |    | 1000 | 304.8 | 111.0 | 50.4  |      |      |      |       |     |      |      |        |
|   | 9332 | 9  | E2 | 500  | 152.4 | 75.0  | 34.1  | .053 | 1.35 | .530 | 13.46 | 160 | 711  | 5.00 | 127.00 |
|   |      |    |    | 1000 | 304.8 | 145.0 | 65.9  |      |      |      |       |     |      |      |        |
|   | 9333 | 11 | E2 | 500  | 152.4 | 89.0  | 40.5  | .053 | 1.35 | .592 | 15.04 | 160 | 711  | 5.50 | 139.70 |
|   |      |    |    | 1000 | 304.8 | 177.0 | 80.5  |      |      |      |       |     |      |      |        |
|   | 9335 | 19 | E2 | 500  | 152.4 | 141.5 | 64.3  | .063 | 1.60 | .711 | 18.06 | 264 | 1174 | 6.50 | 165.10 |
|   |      |    |    | 1000 | 304.8 | 287.0 | 130.5 |      |      |      |       |     |      |      |        |



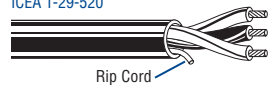
**22 AWG Pairs Stranded (7x30) Bare Copper Conductors\* • Twisted Pairs**

| Individually Shielded + Overall Beldfoil® Shield (100% Coverage) • PVC Insulation • PVC Jacket (Black or Chrome) |                    |    |    |                    |      |   |   |      |      |       |       |      |      |       |        |
|--|--------------------|----|----|--------------------|------|---|---|------|------|-------|-------|------|------|-------|--------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520  | 3001A <sup>†</sup> | 2  | E1 | Bulk <sup>††</sup> | Bulk | — | — | .042 | 1.07 | .324  | 8.23  | 54   | 240  | 3.25  | 82.55  |
|  |                    |    |    |                    |      |   |   |      |      |       |       |      |      |       |        |
|  | 3005A <sup>†</sup> | 4  | E1 | Bulk <sup>††</sup> | Bulk | — | — | .043 | 1.09 | .360  | 9.14  | 115  | 511  | 3.50  | 88.90  |
|  | 3007A <sup>†</sup> | 8  | E1 | Bulk <sup>††</sup> | Bulk | — | — | .053 | 1.35 | .497  | 12.62 | 250  | 1112 | 5.25  | 133.35 |
|  | 3009A <sup>†</sup> | 12 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .053 | 1.35 | .570  | 14.48 | 300  | 1334 | 5.75  | 146.05 |
|  | 3011A <sup>†</sup> | 16 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .064 | 1.63 | .674  | 17.12 | 350  | 1557 | 6.25  | 158.75 |
|  | 3013A <sup>†</sup> | 24 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .065 | 1.65 | .800  | 20.32 | 540  | 2402 | 8.00  | 203.20 |
|  | 3015A <sup>†</sup> | 50 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .075 | 1.91 | 1.050 | 26.67 | 1330 | 5916 | 10.50 | 266.70 |

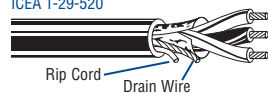


**22 AWG Triads Stranded (7x30) Tinned Copper Conductors • Twisted Triads**

| Unshielded • PVC Insulation • Chrome PVC Jacket                       |      |   |    |        |         |      |      |      |     |      |      |    |     |      |       |
|---|------|---|----|--------|---------|------|------|------|-----|------|------|----|-----|------|-------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520 | 9491 | 1 | E1 | U-500  | U-152.4 | 12.5 | 5.7  | .037 | .94 | .208 | 5.28 | 29 | 129 | 2.00 | 50.80 |
|   |      |   |    | U-1000 | U-304.8 | 23.0 | 10.4 |      |     |      |      |    |     |      |       |

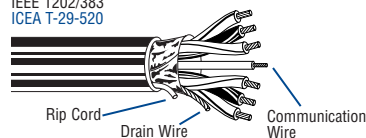


| Overall Beldfoil Shield (100% Coverage) • PVC Insulation • Chrome PVC Jacket |      |   |    |        |         |      |      |      |     |      |      |    |     |      |       |
|--|------|---|----|--------|---------|------|------|------|-----|------|------|----|-----|------|-------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520        | 9363 | 1 | E1 | U-500  | U-152.4 | 13.5 | 6.1  | .037 | .94 | .208 | 5.28 | 29 | 129 | 2.00 | 50.80 |
|  |      |   |    | U-1000 | U-304.8 | 26.0 | 11.8 |      |     |      |      |    |     |      |       |



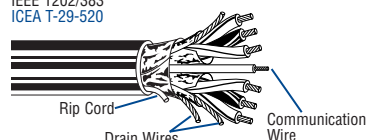
**22 AWG Triads Stranded (7x30) Bare Copper Conductors\* • Twisted Triads**

| Overall Beldfoil Shield (100% Coverage) • PVC Insulation • PVC Jacket (Black or Chrome) |       |   |    |                    |      |   |   |      |      |      |      |    |     |      |       |
|---|-------|---|----|--------------------|------|---|---|------|------|------|------|----|-----|------|-------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520                   | 3002A | 2 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .043 | 1.09 | .330 | 8.38 | 62 | 275 | 3.50 | 88.90 |
|   |       |   |    |                    |      |   |   |      |      |      |      |    |     |      |       |



For Exposed Run rated cable, order 3002AE

| Individually Shielded + Overall Beldfoil Shield (100% Coverage) • PVC Insulation • PVC Jacket (Black or Chrome) |       |   |    |                    |      |   |   |      |      |      |      |    |     |      |       |
|---|-------|---|----|--------------------|------|---|---|------|------|------|------|----|-----|------|-------|
| NEC: PLTC, ITC, CMG<br>CEC: CMG FT4<br>IEEE 1202/383<br>ICEA T-29-520   | 3003A | 2 | E1 | Bulk <sup>††</sup> | Bulk | — | — | .043 | 1.09 | .330 | 8.38 | 82 | 364 | 3.25 | 82.55 |
|   |       |   |    |                    |      |   |   |      |      |      |      |    |     |      |       |



For Exposed Run rated cable, order 3003AE

\*For tinned copper conductors, order with B suffix.

†For Exposed Run rated 3000 series cables, order with "E" suffix, e.g. 3001AE.

E1, E2 = Refer to Technical Information section for color code. Alternate color coding available upon request.

Multiple pair or triad cables have each pair/triad numbered for ease of identification.

††Bulk = Check length available for specific construction.