

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

9527 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, overall Beldfoil® shield (100% coverage), PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 27 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors:

54

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|--|------------|
| F-R PVC - Flame Retardant 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.) |
|--|---------------------------|
| F-R PVC - Flame Retardant Polyvinyl Chloride | .063 |

Outer Jacket Ripcord:

Yes

Overall Cable

Overall Nominal Diameter:

0.763 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|--------------------------|
| 1 | Black & Red and Numbered |
| 2 | Black & Red and Numbered |
| 3 | Black & Red and Numbered |
| 4 | Black & Red and Numbered |
| 5 | Black & Red and Numbered |
| 6 | Black & Red and Numbered |
| 7 | Black & Red and Numbered |
| 8 | Black & Red and Numbered |
| 9 | Black & Red and Numbered |
| 10 | Black & Red and Numbered |
| 11 | Black & Red and Numbered |
| 12 | Black & Red and Numbered |
| 13 | Black & Red and Numbered |
| 14 | Black & Red and Numbered |
| 15 | Black & Red and Numbered |
| 16 | Black & Red and Numbered |
| 17 | Black & Red and Numbered |
| 18 | Black & Red and Numbered |
| 19 | Black & Red and Numbered |
| 20 | Black & Red and Numbered |
| 21 | Black & Red and Numbered |
| 22 | Black & Red and Numbered |

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| | |
|----|--------------------------|
| 23 | Black & Red and Numbered |
| 24 | Black & Red and Numbered |
| 25 | Black & Red and Numbered |
| 26 | Black & Red and Numbered |
| 27 | Black & Red and Numbered |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|------------------|
| Operating Temperature Range: | -30°C To +105°C |
| UL Temperature Rating: | 105°C |
| Bulk Cable Weight: | 280 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 500 lbs. |
| Min. Bend Radius/Minor Axis: | 7.500 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 |
| MII Order #39 (China RoHS): | Yes |

Flame Test

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

Suitability

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

Plenum/Non-Plenum

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

Surface Printing (Overall)

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------|
| Inductance (μH/ft) |
| .21 |

Nom. Capacitance Conductor to Conductor:

| |
|---------------------|
| Capacitance (pF/ft) |
| 26 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------|
| Capacitance (pF/ft) |
| 45 |

Nom. Conductor DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 15 |

Nominal Outer Shield DC Resistance:

| |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 15 |

Max. Operating Voltage - UL:

| |
|---------|
| Voltage |
|---------|

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300 V RMS

Max. Recommended Current:

Current

2.4 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|------------------------|
| 9527 0601000 | 1,000 FT | 312.000 LB | CHROME | C Z | 27 PR #22 PVC SHLD PVC |
| 9527 060500 | 500 FT | 152.000 LB | CHROME | C | 27 PR #22 PVC SHLD 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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