

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. (mm) |
|----------------------------------------------|-----------|
| F-R PVC - Flame Retardant Polyvinyl Chloride | 1.5748 |

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 (mm) |
|----------------------------------------------|--------------------------|
| F-R PVC - Flame Retardant Polyvinyl Chloride | 1.6002 |

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 19.380 mm

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 |

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| | |
|----|--------------------------|
| 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 |
| 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: | 416.696 Kg/Km |
| Max. Recommended Pulling Tension: | 2224.100 N |
| Min. Bend Radius/Minor Axis: | 190.500 mm |

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)

| | |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Surface Printing: | LEGEND: BELDEN 9527 E34972 27PR22 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES DIR BUR OR AWM 2464 80C 300V OR C(UL) |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|

Electrical Characteristics (Overall)

Nom. Inductance:

| |
|--------------------------|
| Inductance (µH/m) |
| 0.68901 |

Nom. Capacitance Conductor to Conductor:

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

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|---------------------------|
| Capacitance (pF/m) |
| 147.645 |

Nom. Conductor DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 49.215 |

Nominal Outer Shield DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 49.215 |

Max. Operating Voltage - UL:

| |
|----------------|
| Voltage |
| 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.

Revision Number: 2 Revision Date: 10-23-2014

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