

General Description:

22 AWG stranded (7x30) tinned copper conductors, polypropylene insulation, twisted pairs, individually Beldfoil® shielded (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Physical Characteristics (Overall):

| | |
|---|------------------------------|
| -# Pairs | 2 |
| -AWG | 22 |
| -Stranding | 7x30 |
| -Conductor Material | TC - Tinned Copper |
| -Inner Shield Trade Name | Beldfoil®(Z-Fold®) |
| -Inner Shield Type | Tape |
| -Inner Shield Material | Aluminum Foil-Polyester Tape |
| -Inner Shield Coverage (%) | 100 |
| -Inner Shield Drain Wire Stranding | 7x32 |
| -Inner Shield Drain Wire Conductor Material | TC - Tinned Copper |
| -Outer Shielded Material | Unshielded |
| -Outer Jacket Material | PVC - Polyvinyl Chloride |
| -Outer Jacket Nom. Wall Thickness | .020" |
| -Overall Nom. Diameter | .160" |
| -Pair Color Code | Red & White; Yellow & Blue |

Mechanical Characteristics (Overall):

| | |
|-----------------------------------|-----------------|
| -Operating Temperature Range | -20°C To +75°C |
| -UL Temperature Rating | 60°C |
| -Bulk Cable Weight | 17 lbs/1000 ft. |
| -Max. Recommended Pulling Tension | 42 lbs. |
| -Min. Bend Radius/Minor Axis | 1.750" |

Applicable Specifications and Agency Compliance (Overall):

| | |
|---------------------------------------|------------|
| -NEC/(UL) Specification | CM |
| -CEC/C(UL) Specification | CM |
| -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) | 01/01/2004 |
| -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 |
| -UL Flame Test | UL1685 UL Loading |
| -Plenum (Y/N) | No |

Electrical Characteristics (Overall):

| | |
|---|-------------------------------|
| -Nom. Characteristic Impedance | 52.000 Ohm |
| -Nom. Inductance | .17 μ H/ft |
| -Nom. Capacitance Conductor to Conductor | 33.000 pF/ft |
| -Nom. Capacitance Cond. to Other Conductor & Shield | 62 pF/ft |
| -Nominal Velocity of Propagation | 66% |
| -Nom. Conductor DC Resistance | 14.7 Ohm/1000 ft @ 20°C |
| -Ind. Pair Nominal Shield DC Resistance | 15 Ohm/1000 ft @ 20°C |
| -Max. Operating Voltage - UL | 300 V RMS |
| -Max. Recommended Current | 2.3 Amps per conductor @ 25°C |