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1-800-Belden1



Description:

22 AWG stranded (7x30) TC conductors, plenum, FEP insulation, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG stranded TC drain wire, Flamarrest® jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2 | 22 | 7x30 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Material |
|--------------------------------------|
| FEP - Fluorinated Ethylene Propylene |

Inner Shield

Inner Shield Material:

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® (Z-Fold®) | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 7x32

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield

Outer Shield Material:

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material |
|-------------------------|---------------------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride |

Overall Cabling

Overall Nominal Diameter: 3.886 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Red & Black |
| 2 | Green & White |

Pair Lay Length & Direction:

| Lay Length (mm) | Twists/ft. (twist/m) |
|-----------------|----------------------|
| 38.09985 | 26.248 |

Mechanical Characteristics (Overall)

Operating Temperature Range: 0°C To +80°C

| | |
|--|--------------|
| Bulk Cable Weight: | 26.341 Kg/Km |
| Max. Recommended Pulling Tension: | 204.617 N |
| Min. Bend Radius (Install)/Minor Axis: | 38.100 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| 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: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 8723 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| |
|-----------------|
| Impedance (Ohm) |
| 36 |

Nom. Capacitance Conductor to Conductor:

| |
|--------------------|
| Capacitance (pF/m) |
| 141.083 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| |
|--------------------|
| Capacitance (pF/m) |
| 246.075 |

Nominal Velocity of Propagation:

| |
|--------|
| VP (%) |
| 62 |

Nom. Conductor DC Resistance:

| |
|---------------------|
| DCR @ 20°C (Ohm/km) |
| 48.2307 |

Nom. Inner Shield DC Resistance:

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

Max. Operating Voltage - UL:

| |
|-----------|
| Voltage |
| 300 V RMS |

Max. Recommended Current:

| |
|------------------------------|
| Current |
| 2.3 Amps per conductor @25°C |

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|---------|-------|-----------------------|
| 82723 877U1000 | 305 MT | 9.072 KG | NATURAL | | 2 PR #22 FEP FS FLRST |
| 82723 877U2000 | 610 MT | 18.144 KG | NATURAL | | 2 PR #22 FEP FS FLRST |
| 82723 877U500 | 152 MT | 4.763 KG | NATURAL | | 2 PR #22 FEP FS FLRST |
| 82723 8771000 | 305 MT | 8.618 KG | NATURAL | C | 2 PR #22 FEP FS FLRST |
| 82723 8775000 | 1,524 MT | 45.359 KG | NATURAL | | 2 PR #22 FEP FS FLRST |

Notes:

C = CRATE REEL PUT-UP.

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- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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