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1-800-Belden1

General Description:

22 AWG stranded (19x34) tinned copper conductors, PVC insulation, aluminum/polyester foil shield, tinned copper braid shield, 85% coverage, oil-resistant overall PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material | Dia. (mm) |
|---------|-----|-----------|--------------------|-----------|
| 6 | 22 | 19x34 | TC - Tinned Copper | 0.813 |

Total Number of Conductors: 12

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) | Dia. (mm) |
|--------------------------|---------------------|-----------|
| PVC - Polyvinyl Chloride | 0.254 | 1.321 |

Outer Shield

Outer Shield Material:

| Type | Outer Shield Material | Coverage (%) |
|-------------|-----------------------|--------------|
| Foil Shield | Alum/Mylar | 100.000 |
| Braid | Tinned Copper | 85.000 |

Outer Shield Drain Wire AWG:

| Component | AWG | Stranding | Drain Wire Conductor Material |
|------------|-----|-----------|-------------------------------|
| Drain Wire | 26 | 7x34 | TC - Tinned Copper |

Outer Shield Separator Material: Tissue Tape, 25% Overlap, Min.

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.016 |

Overall Cable

Overall Nominal Diameter: 9.576 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|--------------|
| 1 | BLACK-RED |
| 2 | BLACK-WHITE |
| 3 | BLACK-GREEN |
| 4 | BLACK-BLUE |
| 5 | BLACK-BROWN |
| 6 | BLACK-YELLOW |

Mechanical Characteristics (Overall)

| | |
|--|------------------|
| Bulk Cable Weight: | 130.962 Kg/Km |
| Max. Recommended Pulling Tension: | 355.856 N |
| Min. Bend Radius/Minor Axis: | 96.520 mm |
| Min. Bend/Installation: | 96.520 mm |
| Min. Bend Radius (Continuous Flexing): | 144.780 mm |
| Flex Cycle Rating: | 6 Million Flexes |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---|---|
| NEC/(UL) Specification: | CM |
| AWM Specification: | UL Style 20006 |
| CSA Specification: | 600 V AWM I/II A/B |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| Other Specification: | AWM/STYLE 10002, AWM/STYLE 2661, CM, AWM I/II A/B, C(UL) TYPE CMG, FT4, EU Low Voltage Directive 2014/35/EC, EU Directive 2011/65/EU(RoHS2) |

Flame Test

| | |
|------------------------|-----|
| CSA Flame Test: | FT4 |
|------------------------|-----|

Suitability

| | |
|-----------------------------|-----|
| Sunlight Resistance: | Yes |
|-----------------------------|-----|

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Description | Impedance (Ohm) |
|--------------------------|-----------------|
| Characteristic Impedance | 73.000 |

Nom. Inductance:

| Inductance (µH/m) |
|-------------------|
| 0.558 |

Nom. Capacitance Cond. to Other Cond. & Ground:

| Description | Freq. (kHz) | Capacitance (pF/m) |
|--------------------|-------------|--------------------|
| Mutual Capacitance | 1.000 | 85.306 |
| Ground Capacitance | 1.000 | 154.207 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 51.184 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 10.171 |

Notes (Overall)

Notes: Temperature Range -10 to 105°C(static), +5 to 105°C (dynamic)

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|-----------------|----------|-------------|-------|-------|-----------------------------|
| 76706TS 008100 | 100 FT | 12.300 LB | GRAY | | 22 AWG/6 PAIR MINI DIAMETER |
| 76706TS 0081000 | 1,000 FT | 93.000 LB | GRAY | | 22 AWG/6 PAIR MINI DIAMETER |
| 76706TS 008500 | 500 FT | 48.000 LB | GRAY | | 22 AWG/6 PAIR MINI DIAMETER |

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76706TS Multi-Conductor - 300V Shielded, Continuous Flexing Data Applications Up to 6 Million FLEX Life Cycles