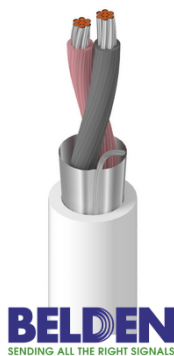


For more Information
please call

1-800-Belden1



Description:

18 AWG stranded (19x30) TC conductors, plenum, FEP insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded TC drain wire, fluorocopolymer jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 18 | 19x30 | TC - Tinned Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------------------|---------------------|
| FEP - Fluorinated Ethylene Propylene | 0.1778 |

Outer Shield

Outer Shield Material:

| Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|------------------------------|------|------------------------------|--------------|
| Beldfoil® with shorting fold | Tape | Aluminum Foil-Polyester Tape | 100.000 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 20 | Stranded | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|------------------------|--------------------------|
| PVDF - Fluorocopolymer | 0.3556 |

Overall Cable

Overall Nominal Diameter: 3.708 mm

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------|
| 1 | Black & Red |

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +150°C

Bulk Cable Weight: 33.633 Kg/Km

Max. Recommended Pulling Tension: 284.685 N

Min. Bend Radius/Minor Axis: 40.640 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: 8760

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

29

Nom. Inductance:

Inductance (µH/m)

0.49215

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)

167.331

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)

318.257

Nominal Velocity of Propagation:

VP (%)

69

Nominal Delay:

Delay (ns/m)

4.82307

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)

18.0455

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)

23.9513

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

Current

5.4 Amps per conductor @ 25°C

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

METRIC MEASUREMENT VERSION

87760 Multi-Conductor - Single-Pair Cable

| | | | | | |
|---------------|----------|-----------|-----|---|--------------------|
| 87760 0021000 | 305 MT | 9.979 KG | RED | C | 2#18 FEP FS SOLEF |
| 87760 002500 | 152 MT | 5.443 KG | RED | C | 2#18 FEP FS SOLEF |
| 87760 0025000 | 1,524 MT | 47.627 KG | RED | | 2 #18 FEP FS SOLEF |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 05-26-2010

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