Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



89841 Multi-Conductor - Low Capacitance Computer and Computer P.O.S. Cable



For more Information please call

1-800-Belden1



Description:

Low cap 24 AWG stranded (7x32) TC conductors, plenum, foam FEP insulation, twisted pairs, overall Beldfoil (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, FEP jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1 | 24 | 7x32 | TC - Tinned Copper |

Insulation

Insulation Material:

| Insulation Trade Name | Insulation Material | | |
|-----------------------|--|--|--|
| Teflon® | FFEP - Foam Fluorinated Ethylene Propylene | | |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 |
| 2 | | Braid | TC - Tinned Copper | 90 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|--------------------------------------|
| 24 | 7x32 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Trade Name | Outer Jacket Material |
|-------------------------|--------------------------------------|
| Teflon® | FEP - Fluorinated Ethylene Propylene |

Overall Cable

Overall Nominal Diameter: 0.202 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|-------------------------|
| 1 | White/Blue & Blue/White |

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 2.000 | 6.000 |

| Machanical | Characteristics | (Overell) |
|------------|-----------------|-----------|
| wechanical | Unaracteristics | (C)verain |

| Operating Temperature Range: | -70°C To +200°C |
|--|-----------------|
| UL Temperature Rating: | 150°C |
| Non-UL Temperature Rating: | 200°C |
| Bulk Cable Weight: | 32 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 45.700 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2 in. |

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| Applicable Specifications and Agency Compliance (Overall) | | | | |
|---|------------|--|--|--|
| Applicable Standards & Environmental Progra | ams | | | |
| 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: | 9841 | | | |
| Electrical Characteristics (Overall) | | | | |

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



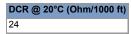
Nom. Capacitance Cond. to Other Conductor & Shield:



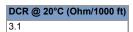
Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:



Nominal Outer Shield DC Resistance:



Max. Operating Voltage - UL:

Voltage 300 V RMS

Max. Recommended Current:

4 Amps per conductor @ 25°C

Notes (Overall)

Notes: Teflon® is a registered trademark of E. I. duPont de Nemours and Co. used under license by Belden, Inc.

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Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|-------|-------|-----------------------|
| 89841 0021000 | 1,000 FT | 29.000 LB | RED | С | 1 PR #24 FFEPR SH FEP |
| 89841 002500 | 500 FT | 13.500 LB | RED | | 1 PR #24 FFEPR SH FEP |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 04-17-2008

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