

82842 Paired - Low Capacitance Computer and Computer P.O.S. Cable

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|  |  | <p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf</p> |
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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, Flam arrest® jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 2 |
| Total Number of Conductors | 4 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|--------------------------------|--|
| Insulation Material Trade Name | Teflon® |
| Insulation Material | FFEP - Foam Fluorinated Ethylene Propylene |
| Lay Length | 2 in. |
| Twists/ft. | 6 |

Pair Color Code Chart :

| Number | Color | Number | Color |
|--------|-------------------------|--------|-----------------------------|
| 1 | White/Blue & Blue/White | 2 | White/Orange & Orange/White |

OUTER SHIELD:

| | |
|----------------------------------|------------|
| Outer Shield Material Trade Name | Beldfoil® |
| Outer Shield Type | Tape/Braid |
| Outer Shield Material : | |

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

| | |
|-------------------------|-------|
| Outer Shield % Coverage | 100 % |
|-------------------------|-------|

OUTER SHIELD DRAIN WIRE :

| | |
|-----------------------------|----|
| Outer Shield Drain Wire AWG | 22 |
|-----------------------------|----|

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|--|--------------------|
| Outer Shield Drain Wire Stranding | 7x32 |
| Outer Shield Drain Wire Conductor Material | TC - Tinned Copper |

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .273 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|-----------------|
| Operating Temperature Range | 0°C To +75°C |
| Bulk Cable Weight | 38 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 56.7 lbs. |
| Min. Bend Radius (Install) | 2.75 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification | CMP |
| CEC/C(UL) Specification | CMP |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |

FLAME TEST:

| | |
|------------------|----------|
| UL Flame Test | NFPA 262 |
| C(UL) Flame Test | FT6 |

PLENUM/NON-PLENUM:

| | |
|-------------------|------|
| Plenum (Y/N) | Y |
| Non-Plenum Number | 9842 |

ELECTRICAL CHARACTERISTICS:

| | |
|---|-------------------------------|
| Nom. Characteristic Impedance | 120 Ohms |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 12 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 22 pF/ft |
| Nominal Velocity of Propagation | 76 % |
| Nom. Conductor DC Resistance @ 20 Deg. C | 24 Ohms/1000 ft |
| Nominal Outer Shield DC Resistance @ 20 Deg. C | 2.4 Ohms/1000 ft |
| Max. Operating Voltage - UL | 300 V RMS |
| Max. Recommended Current | 3.2 Amps per conductor @ 25°C |

NOTES:

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

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|---------------|---------------------------|--------------|--------------------|--------------|-------|
| 82842 0021000 | DELETE | 1000 | 0 | RED | |
| 82842 002500 | DELETE | 500 | 0 | RED | |
| 82842 8771000 | 2 PR #24 FFEP SH FLRST | 1000 | 42 | NATURAL | C |
| 82842 877500 | 2 PR #24 FFEP SH FLRST | 500 | 19 | NATURAL | C |

C = CRATE REEL PUT-UP.

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