Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9842NH Multi-Conductor - GreenChoice Low Capacitance Computer Cable for EIA RS-485 Applications





For more Information please call

1-800-Belden1



General Description:

24 AWG stranded (7x32) TC conductors, polyethylene insulation, twisted pairs, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 24 AWG stranded TC drain wire, LSZH jacket

Physical Characteristics (Overall)

Conductor

AWG:

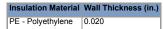


Total Number of Conductors:

4

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Таре | 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 Material | Nom. Wall Thickness (in.) |
|-------------------------------|---------------------------|
| LSZH - Low Smoke Zero Halogen | 0.035 |

Overall Cable

Overall Nominal Diameter:

0.323 in.

Pair

Pair Color Code Chart:

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

Pair Lay Length & Direction:

| Lay Length (in.) | Twists (twist/ft) | Direction |
|------------------|-------------------|---------------|
| 1.000 | 12.000 | Left Hand Lay |

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -20°C To +80°C |
|-----------------------------------|-----------------|
| UL Temperature Rating: | 80°C |
| Bulk Cable Weight: | 49 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 87 lbs. |
| Min. Bend Radius/Minor Axis: | 3.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| NEC/(UL) Specification: | CMG |
|------------------------------------|-----|
| CEC/C(UL) Specification: | CMG |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| | |

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| EU Directive 2000/53/EC (ELV): | Yes |
|---------------------------------------|--------------------|
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 05/10/2012 |
| 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: | UL1685 FT4 Loading |
| C(UL) Flame Test: | FT4 |
| Suitability | |
| Suitability - Indoor: | Yes |
| Non-halogenated: | Yes |
| Plenum/Non-Plenum | |
| Plenum (Y/N): | No |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

| DCR @ 20°C (O | |
|---------------|--|
| 24 | |

Nominal Outer Shield DC Resistance:

| DCR @ 20° | C (Ohm/1000 ft) |
|-----------|-----------------|
| 2.2 | |

Nom. Attenuation:



Max. Operating Voltage - UL:



Max. Recommended Current:



Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|--------|-------|-----------------------|
| 9842NH 0601000 | 1,000 FT | 53.000 LB | CHROME | С | 2 PR #24 PO SH FRNHPO |
| 9842NH 060500 | 500 FT | 28.000 LB | CHROME | С | 2 PR #24 PO SH FRNHPO |

Notes:

C = CRATE REEL PUT-UP.

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