

## 8760NH Multi-Conductor - GreenChoice Multi Conductor



For more Information  
please call

1-800-Belden1

**General Description:**

18 AWG stranded (16X30) tinned copper conductors, polyethylene insulation, twisted pair, overall Beldfoil® shield (100% coverage), 20 AWG stranded tinned copper drain wire, LSZH jacket.

**Physical Characteristics (Overall)****Conductor**

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 1       | 18  | 16x30     | TC - Tinned Copper |

**Insulation**

Insulation Material:

| Insulation Material | Wall Thickness (in.) |
|---------------------|----------------------|
| PE - Polyethylene   | 0.018                |

**Outer Shield**

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 20  | 7x28      | TC - Tinned Copper            |

**Outer Jacket**

Outer Jacket Material:

| Outer Jacket Material         | Nom. Wall Thickness (in.) |
|-------------------------------|---------------------------|
| LSZH - Low Smoke Zero Halogen | 0.028                     |

**Overall Cable**

Overall Nominal Diameter: 0.222 in.

**Pair**

Pair Color Code Chart:

| Number | Color         |
|--------|---------------|
| 1      | Black & Clear |

**Mechanical Characteristics (Overall)**

|                                   |                 |
|-----------------------------------|-----------------|
| Operating Temperature Range:      | -20°C To +60°C  |
| UL Temperature Rating:            | 60°C            |
| Bulk Cable Weight:                | 27 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 62 lbs.         |
| Min. Bend Radius/Minor Axis:      | 2.250 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        |
| 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        |

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|                                   |                    |
|-----------------------------------|--------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes                |
| CA Prop 65:                       | Yes                |
| MIL Order #39 (China RoHS):       | Yes                |
| Other Specification:              | UL AWM Style 21305 |

**Flame Test**

|                 |                    |
|-----------------|--------------------|
| UL Flame Test:  | UL1685 FT4 Loading |
| CSA Flame Test: | FT4                |

**Suitability**

|                       |     |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
| Non-halogenated:      | Yes |

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

|                 |
|-----------------|
| Impedance (Ohm) |
| 57.000          |

**Nom. Inductance:**

|                    |
|--------------------|
| Inductance (μH/ft) |
| 0.180              |

**Nom. Capacitance Conductor to Conductor:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 29.800              |

**Nom. Capacitance Cond. to Other Conductor & Shield:**

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 44.000              |

**Nom. Conductor DC Resistance:**

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.500                    |

**Max. Operating Voltage - UL:**

|          |
|----------|
| Voltage  |
| 300 VRMS |

**Max. Recommended Current:**

|                              |
|------------------------------|
| Current                      |
| 5.2 Amps per conductor @ 25C |

**Put Ups and Colors:**

| Item #        | Putup  | Ship Weight | Color  | Notes | Item Desc                 |
|---------------|--------|-------------|--------|-------|---------------------------|
| 8760NH 060500 | 500 FT | 15.000 LB   | CHROME | C     | REPLACED BY 8760ZH 060500 |

**Notes:**

C = CRATE REEL PUT-UP.

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