

8775 Multi-Conductor - CM Rated Cable

For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) tinned copper conductor, polypropylene insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall PVC jacket and 22 AWG stranded tinned copper drain wire.

Physical Characteristics (Overall)**Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 11 | 22 | 7x30 | TC - Tinned Copper | .030 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|---------------------|------------|
| PP - Polypropylene | .050 |

Inner Shield**Inner Shield Material:**

| Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® (Z-Fold®) | Tape | Aluminum Foil-Polyester Tape | 100 |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 22 |

Inner Shield Drain Wire Stranding: Stranded

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Outer Shield**Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded |

Outer Jacket**Outer Jacket Material:**

| Outer Jacket Material |
|--------------------------|
| PVC - Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.464 in.

Pair**Pair Color Code Chart:**

| Number | Color |
|--------|----------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |
| 5 | Black & Yellow |
| 6 | Black & Brown |
| 7 | Black & Orange |
| 8 | Red & White |

| | |
|----|--------------|
| 9 | Red & Green |
| 10 | Red & Blue |
| 11 | Red & Yellow |

Pair Lay Length & Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.750 | 6.850 |

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2919) |
| Bulk Cable Weight: | 124.300 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 256 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 4.600 in. |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification: | CM |
| CEC/C(UL) Specification: | CM |
| AWM Specification: | UL Style 2919 (30 V 80°C) |
| 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): | 01/01/2004 |
| 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: | UL 1685 UL Loading |
|----------------|--------------------|

Plenum/Non-Plenum

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

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

| Impedance (Ohm) |
|-----------------|
| 50 |

Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| 0.18 |

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 30 |

Nom. Capacitance Cond. to Other Conductor & Shield:

| Capacitance (pF/ft) |
|---------------------|
| 55 |

Nominal Velocity of Propagation:

| VP (%) |
|--------|
| 66 |

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

15

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: 10.600 Ohm/1000 ft

Max. Operating Voltage - UL:**Voltage**

30 V RMS (UL AWM Style 2919)

300 V RMS (CM)

Max. Recommended Current:**Current**

1.4 Amps per conductor @ 25°C

Related Documents:

No related documents are available for this product

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|---------------------|
| 8775 060100 | 100 FT | 13.100 LB | CHROME | C | 11 FS PR #22 PP PVC |
| 8775 0601000 | 1,000 FT | 125.000 LB | CHROME | C | 11 FS PR #22 PP PVC |
| 8775 060500 | 500 FT | 63.000 LB | CHROME | C | 11 FS PR #22 PP PVC |

Notes:

C = CRATE REEL PUT-UP.

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