

8774 Paired - CM Rated 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. 3 for Paired Cables (Belden Standard).pdf</p> |
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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:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Pairs | 9 |
| Total Number of Conductors | 18 |
| AWG | 22 |
| Stranding | 7x30 |
| Conductor Diameter | .030 in. |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|---------------------|--------------------|
| Insulation Material | PP - Polypropylene |
| Insulation Diameter | .050 in. |
| Lay Length | 1.75 in. |
| Twists/ft. | 6.85 |

Pair Color Code Chart :

| Number | Color | Number | Color |
|--------|----------------|--------|----------------|
| 1 | Black & Red | 6 | Black & Brown |
| 2 | Black & White | 7 | Black & Orange |
| 3 | Black & Green | 8 | Red & White |
| 4 | Black & Blue | 9 | Red & Green |
| 5 | Black & Yellow | | |

INNER SHIELD:

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

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|--|--------------------|
| Inner Shield Drain Wire AWG | 22 |
| Inner Shield Drain Wire Stranding | Stranded |
| Inner Shield Drain Wire Conductor Material | TC - Tinned Copper |

OUTER SHIELD:

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

OUTER JACKET:

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

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .417 in. |
|--------------------------|----------|

MECHANICAL CHARACTERISTICS:

| | |
|----------------------------------|--------------------------|
| Operating Temperature Range | -20°C To +80°C |
| UL Temperature Rating | 80°C (UL AWM Style 2919) |
| Bulk Cable Weight | 108.6 lbs/1000 ft. |
| Max. Recommended Pulling Tension | 230 lbs. |
| Min. Bend Radius (Install) | 4.3 in. |

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

| | |
|---------------------------------------|---------------------------|
| NEC/(UL) Specification | CM |
| CEC/C(UL) Specification | CM |
| AWM Specification | UL Style 2919 (30 V 80°C) |
| EU CE Mark (Y/N) | Yes |
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |

FLAME TEST:

| | |
|---------------|-------------------|
| UL Flame Test | UL1685 UL Loading |
|---------------|-------------------|

PLENUM/NON-PLENUM:

| | |
|--------------|---|
| Plenum (Y/N) | N |
|--------------|---|

ELECTRICAL CHARACTERISTICS:

| | |
|--|-------------------|
| Nom. Characteristic Impedance | 50 Ohms |
| Nom. Inductance | .018 µH/ft |
| Nom. Capacitance Conductor to Conductor @ 1 KHz | 30 pF/ft |
| Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz | 55 pF/ft |
| Nominal Velocity of Propagation | 66 % |
| Nom. Conductor DC Resistance @ 20 Deg. C | 15 Ohms/1000 ft |
| Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C | 10.6 Ohms/1000 ft |

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| Max. Operating Voltage - UL | 30 V RMS (UL AWM Style 2919), 300 V RMS (CM) |
| Max. Recommended Current | 1.4 Amps per conductor @25°C |

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|-------------------------|--------------|--------------------|--------------|-------|
| 8774 060100 | 9 FS PR #22 HDPE PVC | 100 | 11.5 | CHROME | |
| 8774 0601000 | 9 FS PR #22 HDPE PVC | 1000 | 113 | CHROME | C |
| 8774 060250 | 9 FS PR #22 HDPE PVC | 250 | 29.5 | CHROME | C |
| 8774 060500 | 9 FS PR #22 HDPE PVC | 500 | 57.5 | CHROME | C |

C = CRATE REEL PUT-UP.

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