

82777 Multi-Conductor - CMP Rated (Plenum) Cable

For more Information
please call

1-800-Belden1

**Description:**

22 AWG stranded (7x30) TC conductor, FEP insulation, twisted pairs individually shielded with Beldfoil® (100% coverage), overall jacket per table below, 22 AWG stranded TC drain wire.

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

| # Pairs | AWG | Stranding | Conductor Material | Dia. (in.) |
|---------|-----|-----------|--------------------|------------|
| 3 | 22 | 7x30 | TC - Tinned Copper | .030 |

Insulation**Insulation Material:**

| Insulation Material | Dia. (in.) |
|--------------------------------------|------------|
| FEP - Fluorinated Ethylene Propylene | .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 Trade Name | Outer Jacket Material |
|-------------------------|---------------------------------------|
| Flamarrest® | LS PVC - Low Smoke Polyvinyl Chloride |

Overall Cable

Overall Nominal Diameter: 0.237 in.

Pair**Pair Color Code Chart:**

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |

Pair Lay Length & Direction:

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

Mechanical Characteristics (Overall)

82777 Multi-Conductor - CMP Rated (Plenum) Cable

| | |
|--|---------------------|
| Operating Temperature Range: | 0°C To +60°C |
| Bulk Cable Weight: | 35.100 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 82 lbs. |
| Min. Bend Radius (Install)/Minor Axis: | 2.300 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|------------|
| NEC/(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CMP |
| 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): | 04/01/2005 |
| 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: | NFPA 262 |
| C(UL) Flame Test: | FT6 |

Plenum/Non-Plenum

| | |
|--------------------|------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 8777 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

Impedance (Ohm)

46

Nom. Inductance:

Inductance (μH/ft)

0.18

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

35

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

76

Nominal Velocity of Propagation:

VP (%)

62

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)

16

Ind. Pair Nominal Shield DC Resistance @ 20
Deg. C: 11.300 Ohm/1000 ft

Max. Operating Voltage - UL:

Voltage

300 V RMS

Max. Recommended Current:

82777 Multi-Conductor - CMP Rated (Plenum) Cable**Current**

1.96 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 |
|----------------|----------|-------------|---------|-------|------------------------|
| 82777 877U1000 | 1,000 FT | 38.000 LB | NATURAL | | 3 PR #22 FS FEP FLMRST |
| 82777 877U500 | 500 FT | 19.500 LB | NATURAL | | 3 PR #22 FS FEP FLMRST |
| 82777 8771000 | 1,000 FT | 39.000 LB | NATURAL | C | 3 PR #22 FS FEP FLMRST |

Notes:

C = CRATE REEL PUT-UP.

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