

1386LP Multi-Conductor - Lighting Control Cable



For more Information
please call

1-800-Belden1

**General Description:**

Lighting & Automation Cable, Plenum-CMP, 2-12 AWG bare copper conductors unshielded, FEP insulation (power) and 1-18 AWG bare copper conductor unshielded, FEP insulation and 1 (data) pair 22 AWG stranded bare copper, FEP insulation, Beldfoil®shield w drain, Flamarrest®jacket.

Usage (Overall)

Suitable Applications: Automation/Lighting Control

Physical Characteristics (Overall)**Conductor**

AWG:

| # Conductors | # Pairs | AWG | Stranding | Conductor Material |
|--------------|---------|-----|-----------|--------------------|
| | 1 | 22 | 7x30 | BC - Bare Copper |
| 1 | | 18 | 19x30 | BC - Bare Copper |
| 2 | | 12 | 19x25 | BC - Bare Copper |

Total Number of Conductors: 5

Insulation

Insulation Material:

| Insulation Material | AWG |
|--------------------------------------|-----|
| FEP - Fluorinated Ethylene Propylene | 22 |
| FEP - Fluorinated Ethylene Propylene | 18 |
| FEP - Fluorinated Ethylene Propylene | 12 |

Inner Shield

Inner Shield Material:

| Layer # | Inner Shield Trade Name | Type | Inner Shield Material | Coverage (%) | Stranding | Dia. (mm) | Conductor Material |
|-------------|-------------------------|------|------------------------------|--------------|-----------|-----------|--------------------|
| 22 AWG Pair | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | | | |

Inner Shield Drain Wire AWG:

| AWG |
|-----|
| 24 |

Inner Shield Drain Wire Stranding: 7x32

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 |

Outer Jacket Ripcord: No

Overall Cable

Overall Nominal Diameter: 7.620 mm

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Pair

Pair Color Code Chart:

| Number | Color |
|--------|------------------------|
| 1 | Purple & White (22awg) |
| 2 | Red & Black (12awg) |
| 3 | Org (18awg) |

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|---------------|
| Operating Temperature Range: | 0°C To +60°C |
| Bulk Cable Weight: | 127.985 Kg/Km |
| Max. Recommended Pulling Tension: | 862.951 N |
| Min. Bend Radius/Minor Axis: | 76.200 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|------------------------------------|-----------|
| NEC(UL) Specification: | CMP |
| CEC/C(UL) Specification: | CL3P, CMP |
| 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 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 Plenum Flame Test (UL910)(FT6) |
| CSA Flame Test: | FT6 |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Plenum/Non-Plenum

| | |
|--------------------|--------|
| Plenum (Y/N): | Yes |
| Non-Plenum Number: | 1386LA |

Electrical Characteristics (Overall)

Nom. Capacitance Conductor to Conductor:

| Description | Capacitance (pF/m) |
|-------------|--------------------|
| 22 AWG Pair | 69.557 |

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/km) |
|-------------|---------------------|
| 22AWG | 52.824 |
| 18AWG | 21.327 |
| 12AWG | 5.250 |

Max. Operating Voltage - UL:

| Voltage |
|-----------|
| 300 V RMS |

Max. Recommended Current:

| Description | Current |
|-------------|-------------------------------|
| 22AWG | 3.8 Amps per conductor @ 25°C |

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| | |
|-------|--------------------------------|
| 18AWG | 7.2 Amps per conductor @ 25°C |
| 12AWG | 17.2 Amps per conductor @ 25°C |

Notes (Overall)

Notes: Sequential footage marking every two feet.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|----------------|----------|-------------|-------|-------|--------------------------------|
| 1386LP 0091000 | 1,000 FT | 90.000 LB | WHITE | | 1FSPR #22+2 #12+1#18 FEP FLRST |
| 1386LP 009250 | 250 FT | 24.500 LB | WHITE | | 1FSPR #22+2 #12+1#18 FEP FLRST |

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