

TYPE CEA



This non-UL liquidtight flexible steel conduit is designed for applications where safety concerns exist regarding a material's reaction in a fire situation.

CONSTRUCTION:

The flexible inner core of this product is made from a galvanized steel strip. As in Type LT, this core contains string packing between the helical convolutions in trade sizes 3/8 through 2 inch. The specially formulated thermoplastic polyurethane jacket has excellent flame retardation and low smoke and toxicity generation characteristics. Acidic gases such as hydrogen chloride, hydrogen fluoride and hydrogen bromide are virtually eliminated as products of combustion.

APPLICATION:

This product is ideally suited for installation in confined or enclosed areas where construction materials must have limited smoke, low flame spread and low toxic gas emissions in the event of fire. Such applications include mass transit vehicles where CEA is extensively used for wiring harnesses within and under passenger rail cars. Other applications include use in underground subway structures and tunnels.

RoHS and WEEE Compliant.

STANDARD COLORS:

Gray and Black. Other colors are available upon request. Part numbers above designate gray jacket.

WORKING TEMPERATURES:

-40°C to 80°C

METAL USED: Steel

PLASTIC USED: PU

See the Chemical Resistance Guide on our website.



| Trade Size (In.) | Type | Minimum Jacket Thickness | Inside Bend Radius (In.) | Weight (Lbs.)/100 Ft. | Carton Footage | | Reel Footage | |
|------------------|---------|--------------------------|--------------------------|-----------------------|----------------|---------------------|--------------|---------------------|
| | | | | | Length | Part # Gray / Black | Length | Part # Gray / Black |
| 3/8 | CEA-10 | 0.030 | 1.5 | 20 | 100 | 888016 / 88801 | 1000 | - / - |
| 1/2 | CEA-11 | 0.030 | 2.0 | 24 | 100 | 888116 / 88811 | 1000 | 888146 / 88814 |
| 3/4 | CEA-12 | 0.035 | 2.5 | 33 | 100 | 888216 / 88821 | 500 | 888246 / 88824 |
| 1 | CEA-13 | 0.035 | 3.0 | 53 | 100 | 888326 / 88832 | 400 | 888346 / 88834 |
| 1-1/4 | CEA-14 | 0.035 | 3.5 | 68 | 50 | 888426 / 88842 | 200 | 888446 / 88844 |
| 1-1/2 | CEA-15 | 0.040 | 4.5 | 88 | 50 | 888526 / 88852 | 150 | 888546 / 88854 |
| 2 | CEA-16 | 0.040 | 5.5 | 102 | 50 | 888626 / 88862 | 100 | 888646 / 88864 |
| 2-1/2 | CEA-17 | 0.050 | 8.0 | 168 | 25 | 888726 / 88872 | - | - / - |
| 3 | CEA-18 | 0.050 | 10.0 | 252 | 25 | 888826 / 88882 | - | - / - |
| 4 | CEA-19 | 0.060 | 12.0 | 344 | 25 | 888926 / 88892 | - | - / - |
| 5 | CEA-500 | 0.099 | 17.5 | 468 | 25 | - / 88582 | - | - / - |
| 6 | CEA-600 | 0.099 | 22.5 | 572 | 25 | - / - | - | - / - |

See page 37 for Dimensions.

TYPE ACEA, CEA AND ZHLA COMBUSTION & FLAMMABILITY PROPERTIES

| Combustion & Flammability Properties: | Test | Value |
|---------------------------------------|----------------------|--------------------------------|
| Vertical Burn (Material) | UL94 | V-0 Rating; No Flaming Drips |
| Vertical Burn (Conduit) | UL360 | Pass; No Flaming Drips |
| Oxygen Index % | D2863 | 28.5 |
| Flame Spread Index | ASTM E162 | 20; No Flaming Drips |
| Flame Propagation | ASTM C542 (NFPA-130) | Pass; No Flaming Drips |
| Smoke Generation (Flaming) | ASTM E662 (NFPA 258) | Ds 50@1.5 Min / Ds 102@4.0 Min |
| Smoke Generation (Non-Flaming) | ASTM E662 (NFPA258) | Ds 5@1.5 Min / Ds 26@4.0 Min |
| Toxic Gas Generation | BOMBARDIER SMP 800-C | Pass |
| Toxicity Index | NES 713 | 3.9 |

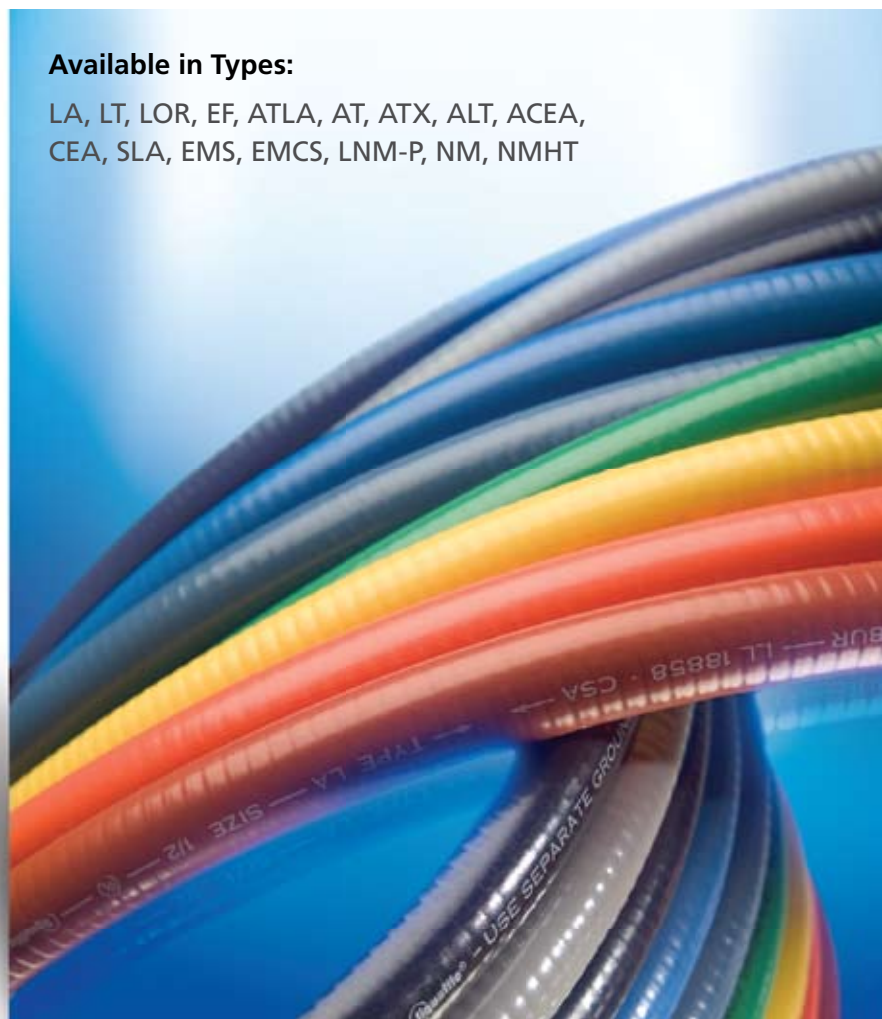
Test data is based on controlled laboratory conditions and does not necessarily reflect performance in actual fire conditions. Additional product information available upon request.

Colored Conduit

for Custom Installations



The use of colored Type LA conduit saves time and money in maintenance and repair situations, and provides a visible warning to use caution in and around specific areas. They can provide for quick identification of circuits, such as emergency, fire, security and high voltage, as well as many other applications.



Available in Types:

LA, LT, LOR, EF, ATLA, AT, ATX, ALT, ACEA, CEA, SLA, EMS, EMCS, LNM-P, NM, NMHT

SUGGESTED APPLICATIONS:

| Conduit Color | Suggested Application |
|---------------|---|
| Cream | Office Modular Partitions |
| Brown | Office Modular Partitions |
| Blue | Computer Rooms/Data Cables, Low Voltage Wiring |
| Green | Hospitals and Healthcare |
| Yellow | Caution Areas, Special Equipment, High Voltage Wiring, Earth Moving Equipment |
| Orange | Construction, Auto Repair, Fiber Optic Systems |
| Red | Fire Alarms, Security Systems, Emergency Circuits |
| White | Dairy Equipment, Food Processing Equipment |

* Standard colors are Black and Gray. Other colors available upon request. We can blend to any color preference. Jacketed materials for extreme temperature and halogen-free applications are also available in colors.