

Internal Components

FOR DRAKA ELEVATOR CABLES

Special constructions are available!

Draka offers Type E0 cables for wet/hazardous locations, halogen-free cables and custom configurations.

Contact your local Draka representative for details.

Traveling and hoistway cables

Jacket - Black, 70° C polyvinyl chloride specifically compounded for flexibility and abrasion resistance. The finished cable complies with ANSI/ASTM, UL and CSA standards. It also meets EN or JIS requirements as needed and the UL VW-1 or UL-1581 and CSA FT1 flame requirements. Operating temperatures range from -15° C to +70° C. Optional rugged polyurethane (PUR) jackets are available upon request. Operating temperatures for PUR cables range from -20° C to +70° C.

Any traveling cable can be custom-made with halogen-free materials.

Binder - Helically-wound synthetic fiber provides maximum strength.

Braid - A rayon or cotton braid is applied over the core assembly with 95% coverage.

Stranded Conductors - Bunch-stranded bare soft drawn copper. AWG sizes comply with ANSI/ASTM B174, ANSI/ASTM B3 and with Type ETT requirements of UL 62 and CSA C22.2 No. 49. Metric sizes meet the intent of EN50214, JIS 3408 and AS.

Insulation - 70° C, colored, flame-retardant polyvinyl chloride to exceed ETT requirements of UL 62 and CSA C22.2 No. 49. Also complies with EN and JIS requirements for elevator control cables

Identification - Each insulated conductor and shielded pair is positively identified by an insulation color or a combination of insulation color and numerical markings appearing four times/foot • thirteen times/meter.

Steel Support for Round Traveling Cables - Preformed, flexible, low torsion, zinc-coated, steel wire rope in accordance with applicable portions of Military Specification MIL-W-83420. The steel support is insulated with 70° C flame-retardant polyvinyl chloride (Super-Flex® cables have the steel covered with a rayon or cotton braid). Complies with ANSI/ASTM, UL and CSA requirements.

Steel Support for Flat Traveling Cables - Preformed, flexible, low torsion, zinc-coated, steel wire rope in accordance with applicable portions of Military Specification MIL-W-83420. Complies with ANSI/ASTM, UL and CSA requirements.

Shielded Pairs - 20 AWG insulated conductors, paired together with a short lay twist, shielded with 36 AWG bare copper braid for 85% coverage. They are jacketed with colored, flame-retardant 70° C polyvinyl chloride and comply with international requirements.

Jute Filler - Individual core interstice fillers distribute interlayer pressure and reduce conductor friction. All fillers are electrical-grade dry jute.

Coaxial cable specifications

RG6/U Coaxial Cable - Primarily for CCTV applications. 75 ohm, UL listed, CSA certified. Center conductor is 20 AWG stranded copper insulated with cellular polyethylene, wrapped with aluminum tape, braided with tinned copper and jacketed with flame-retardant PVC.

Attenuation is 2.13 dB/100m @ 10 MHz and 5.08 dB/100m @ 50 MHz. Capacitance measures 56.7 pf/m.

RG11/U Coaxial Cable - Optional 75 ohm, UL listed. Center conductor is 14 AWG • 2.0 mm² soft drawn stranded copper insulated with cellular polyethylene, braided with bare copper for 97% coverage, and jacketed with flame-retardant PVC.

Attenuation is 2.16 dB/100m @ 10 MHz and 4.26 dB/100m @ 50 MHz. Capacitance measures 56.7 pf/m.

Fiber optic specifications

62.5/125 micron tight-buffered multimode optical fiber, covered with high-strength aramid yarn and jacketed with flame-retardant polyvinyl chloride.

Maximum attenuation is 3.75 dB/km @ 850 nm and 1.5 dB/km @ 1300 nm.

Minimum bandwidth is 160 MHz•km @ 850 nm and 500 MHz•km @ 1300 nm.

Other optical fibers are available including 50/125 micron multimode, 50/125 micron laser-optimized multimode, and single mode.

Super-Flex round cable cross-section (typical)

PVC jacket - halogen-free compounds available

Braid and binder

Stranded conductors

18 AWG

16 AWG

14 AWG

Steel support

Shielded pair

20 AWG

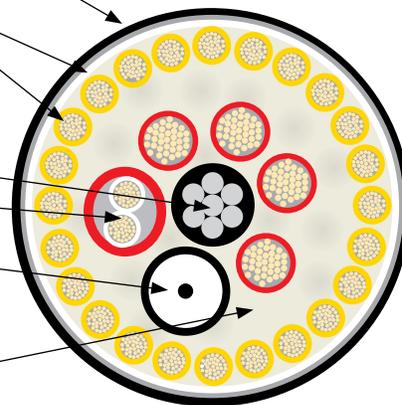
RG6/U coaxial

RG11/U coaxial and

optical fiber are

also available

Jute filler



Flat cable cross-section (typical)

PVC jacket - halogen-free styles available

Stranded conductors

18 AWG

16 AWG

14 AWG

Shielded pair

20 AWG

