

Applications:

- Steam and gas turbines
- Heat recovery steam generators
- Compressor and transformers
- Switchgear and enclosures
- Input and output components (actuators, valves, sensors, encoders, ...)
- Instrumentation and components
- Hazardous areas

Approvals, Standards and Certifications:

- IEEE 323-1974
- IEEE 383-1974
- Mil-STD-1310D
- UL & CSA



TYPE	Tensile Strength	Protection	Temp. °C
SHIELDTITE	4 (1000N)	IP 67	-45 to +105 (peak +120)
HC Black	4 (1000N)	IP 67	-45 to +105 (peak +120)
HXC Black	4 (1000N)	IP 67	-55 to +145 (peak +160)
UI Metal	4 (1000N)	IP 40	-100 to +600
SLI Metal	4 (1000N)	IP 40	-100 to +600
SLI - 316 Metal	4 (1000N)	IP 40	-100 to +600
UI CAP	4 (1000N)	IP 40	-100 to +600
NWC	4 (1000N)	IP 67	-40 to +90 (peak +105)
HCI - 316	4 (1000N)	IP 67	-45 to + 120
HFI - 316	4 (1000N)	IP 67	-50 to +105 (peak +125)
OR Black	4 (1000N)	IP 67	-15 to +100 (peak +120)
OR BLUE	4 (1000N)	IP 67	-15 to +100 (peak +120)
SLB	4 (1000N)	IP 40	-55 to +300
HTDL Black	4 (1000N)	IP 67	-45 to +105 (peak +120)
HTUA Grey	4 (1000N)	IP 67	-45 to +105 (peak +120)
AS BLACK	4 (1000N)	IP 67	-25 to +70 (peak +90)
ZHUA	4 (1000N)	IP 67	-50 to +105 (peak +125)
RWA	3 (500N)	IP 40	-45 to +260
RWS	3 (500N)	IP 40	-45 to +230
ZHLS	4 (1000N)	IP 67	-25 to +80 (peak +100)

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APPLICATIONS AND CHARACTERISTICS



Type Shieldtite is a very robust conduit with a fully interlocked bronze core and thick, smooth PVC cover designed specifically for protection of cables against electromagnetic interference and pulses (EMI/EMP), according to MIL-STD 1310D. Resistant to UV, sunlight, heat, oils and chemicals.



Type HC is a robust conduit with a galvanised steel core and a thick, smooth heat resistant PVC cover that is temperature resistant. It is used in train warning systems, transformers, transport systems, woodcutting machines, sewing machines, security systems in energy plants, and equipment in the chemical and ceramic industries.



Type HCX is a very robust conduit with a galvanised steel core and a thick, smooth TPE cover that is very temperature resistant. Robust and very flexible, it is used in transformers, offshore applications, steelworks, foundries, machine building and many outdoor installations where temperature and humidity are critical.



Type UI has a stainless steel AISI-304 core. Extremely flexible performance, valid for application in industrial instrumentation, CCTV, passenger information systems, door locking systems... The strength of this conduits makes it a choice of application where dynamic motions and heat environments are present.



Type SLI is a less flexible but robust stainless steel AISI 304 conduit, that provides high mechanical and chemical protection in applications that require a high degree of corrosion protection. Typical applications include the steel, foundry, marine and shipbuilding industries as well as machine building.



Type SLI-316 is the stainless steel AISI-316 execution of the SL conduit. It provides a high mechanical and chemical protection in applications that require a very high degree of corrosion protection, but where liquid tightness is not a pre-requirement. Applications include the steel, foundry, marine, shipbuilding industries and machine building.



UI-CAP is a small bore, flexible, fully interlocked, corrosion resistant stainless steel AISI-304 core conduit with high tensile and compression strength and excellent torque stress characteristics. UI-CAP is typically used in sensitive measuring instruments, optic fiber, surveillance and security systems, robotics and sensor, microphone and telephone cables.



Type NWC is a robust conduit with a galvanised steel core, with integral grounding copper wire and a thick, smooth, radiation resistant PE cover for use in nuclear containment applications. Used where a high degree of electrical continuity is required. Type NWC was NUPIC Listed No. 2651.



Type HCI-316 is a very robust conduit with a superior corrosion resistant AISI-316 stainless steel core and a thick, smooth PVC cover that is suitable for use in very low and very high temperature applications. Designed for use in applications where mechanical, corrosion and thermal protection of cables installed on equipment and installations where conditions can be extreme.



HFI-316 is an halogen-free conduit for use in public areas. The features of the HFX cover are necessary in the field of environment and safety, as the European guidelines state that certain areas need to be free of halogens. Suitable for installations in the chemical and food-processing industry, but also in the off-shore, Oil & Gas, turbines, generators, valves, pressure control, metering, tunnels, train- and bus-building industry, in closed areas, airports and (subway) stations, shipbuilding industry and navy.

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APPLICATIONS AND CHARACTERISTICS



Type OR Black is a robust conduit with a galvanised steel core and thick, smooth oil resistant PVC cover, a good mechanical protection of cables and resistance to aggressive oils and greases. It is used in machines where metalworking fluids are used, diesel-engines, generator-sets and in the metal, paper, chemical and petrochemical industry.



Type OR Blue is a robust conduit with a galvanised steel core and thick, smooth oil resistant PVC cover, a good mechanical protection of cables and resistance to aggressive oils and greases. It is used in machines where metalworking fluids are used, diesel-engines, generator-sets and in the metal, paper, chemical and petrochemical industry.



SLB is a very flexible conduit comprising a galvanized steel core with a robust stainless steel AISI-304 over-braid. Designed to provide mechanical and EMC protection. This stainless steel braid cover provides a high level of electromagnetic shielding for cables. Applications include the steel, foundry, metalworking and heavy duty industries.



Type HTDL is a robust conduit with a galvanised steel core and a PVC cover. An integral grounding copper wire (till 1.1/4") provides EMI/EMP shielding for cables that require electromagnetic protection. It is UL & CSA approved. The conduit is used on transformers, paper-recycling machinery, internal transport systems, air-traffic-control systems, UMTS systems, oil & gas installations, apparatus-building industry and equipment in hazardous areas.



Type HTUA is a robust conduit with a galvanised steel core and a PVC cover. An integral grounding copper wire (till 1.1/4") provides a high level of EMI/EMP shielding for cables that require a high degree of electromagnetic protection. It is UL & CSA approved and is used to protect cables on transformers, generators, motors, actuators, valves, machinery, equipment, enclosures and installations.



Type AS is a robust conduit with galvanised steel core and a thick, smooth anti-static PVC, cover for use in hazardous areas where a risk of explosion exist. The conduit cover provides a surface resistance of <109 Ohm according to Standard NEN-EN-IEC 60079-0, Section 26-13 thus preventing electrostatic charge from accumulating on the surface of the conduit cover and also sparks in the case of discharge by contact.



Type ZHUA features a galvanised steel core with a thick, smooth TPU cover which is halogen free and flame retardant in line with the smoke and fire requirements of EN 45545-2 and NFPA 130, ASTM E162, E662 and BSS 7239 standards. The conduit retains its flexibility at low and high temperatures and changing levels of humidity, is conduit is UL & CSA approved and has an integrated grounding copper wire (in sizes 1/2" to 1.1/4") to protect cables from electromagnetic interference.



Type RWA is a lightweight aluminium conduit that is both flexible and corrosion resistant. The conduit is designed for applications in countries that require a UL-1 certification for metal uncovered conduits. Application: elevators, escalators, lift systems for the disabled, cookers, ovens, burners, household appliances and lamps.



Type RWS is galvanised steel, continuous interlocked, conduit. It is frequently used in heavier applications in the machine and apparatus-building and in elevators, escalators, wheelchair lifts, enclosed motor leads, where an UL-1 listed approval is required.



Type ZHLS is a robust conduit with a galvanised steel core and a thick, smooth TPO cover which is both halogen free and flame retardant. The conduit meets European environment and health & safety regulations with regards to toxic gas emissions and smoke density requirements (BS6853, LUL 1-085 and EN 45545-2). It is used in the metro-, train- and bus-building industry, in closed areas, airports, tunnels, (subway) stations and other infra-structure projects.

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