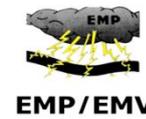


Applications:

- Enclosures
- Antennae
- Switchgear
- EMC and EMP cable protection
- Instrumentation
- Inputs and Outputs like sensors, encoders, valves, etc
- Hazardous areas

Approvals, Standards and Certifications:

- IECex ATEX
- Mil-STD-1310D
- EMP/EMI



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)
HCX 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
SLB Metal	4 (1000N)	IP 40	-55 to + 300
UIG Metal	4 (1000N)	IP 40	-55 to + 300
OR Black	4 (1000N)	IP 67	-15 to +100 (peak +120)
SHIELDTITE Z1	4 (1000N)	IP 67	-50 to +105 (peak +125)
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)
CW	4 (1000N)	IP 67	-40 to +80 (peak +90)
ANAFLEX	4 (1000N)	IP 69	-75 to +250

Suministros Técnicos Sunesa S.L.

Ctra. Bilbao-Balmaseda Km 9, Elkartegia Modulo 37
 48810 Alonsotegi – Bizkaia www.sunesa.net
 Telf.+34 94 486 0131 – comercial@sunesa.net



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.



SLB is a very flexible conduit comprising a galvanised 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 UIG is a flexible, fully interlocked, galvanized steel conduit that has excellent tensile, torsional and crush strength. Excellence for high degree of mechanical and thermal protection against hot metal chips. Typical applications include: robots in steel and automotive plants, foundries, die casting and metalworking machines.



Type OR 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 Shieldtite Z1 is a very robust conduit with a fully interlocked bronze core and thick, smooth low smoke, halogen-free TPU cover. According MIL-STD-1310D protection against electromagnetic interference. The conduit provided EMI/EMC shielding applications on rolling stock, submarines, control stations and towers. And complies with the smoke and fire requirements of EN 45545-2 and is resistant to sunlight, heat, oil and chemicals.



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 600079-0, 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 CW features a galvanised steel core and a thick, smooth PVC cover which is flame retardant and resistant to sunlight, heat, oils and chemicals. UL & CSA certified, and it has an integrated grounding copper wire (in sizes 1/2" to 1.1/4") to protect cables from electromagnetic interference. Type CW can be used to protect cables on information technology equipment in data centres, air traffic-control centres as well as the apparatus-building industry and in underfloor and behind wall applications.



The Anaflex click system consists of a highly quality flexible stainless steel AISI-316L hose with a nickel plated brass Anaflex Click fitting. The IP69 system retain it's liquid tight rating up to +250° C. The Anaflex System is designed to resist oils, greases and solvents and because the system has no plastic parts fire, smoke and toxicity will not be an issue.

Suministros Técnicos Sunesa S.L.

Ctra. Bilbao-Balmaseda Km 9, Elkartegia Modulo 37
48810 Alonsotegi – Bizkaia www.sunesa.net
Telf.+34 94 486 0131 – comercial@sunesa.net