atex delvalle®

HAZARDOUS AREA SOLUTIONS

atex@atexdelvalle.com | www.atexdelvalle.com

Atex Ex CABLES

Zones 0, 1, 2, 20, 21 and 22

Delvalle, wide experience in manufacturing solutions for hazardous area

WE PUT AT YOUR DISPOSAL

We offer over **40 years** providing **solutions** to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

WHEREVER YOU GO

We are committed to working closely with our customers, providing them with exceptional service and offering an advanced and extensive range of products with very competitive prices.

CUSTOMIZE YOUR WIFI SYSTEM - WIRELESS

HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very highest quality, suitable and certified products. Our success is due to **top quality** assurance:
ISO 9001, SGS, UL, TÜV, ISO 14000 and Ohsas 18001.
ATEX , IECEx a nivel mundial.

ALWAYS THINKING OUTSIDE THE BOX

CONTACT US

Confidentiality, reliability & quality

www.atexdelvalle.com

atex@atexdelvalle.com
+34 945 601 381

ALSO ONLINE

Please contact our technical sales department.

A team of professionals with high experience and ability to solve all your queries.

Hazardous area power protected cable for the supply of electronic and computers equipments

Zones 0, 1, 2, 20, 21 and 22

Example

Hazardous area Power protected cable for the supply of electronic and computers equipments (adjustable of frequency and motors) in which is required to avoid the possible interferences caused by power outlet in adjacent cables of signal transmission.

These cables can, with the appropriate accessories, be used in an explosive atmosphere. ATEX & IECEx.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Their insulation endows them with the ability to withstand corrosive substances, making these cables particularly well-suited for use in the chemical industry.

Characteristics

- Low water absorption.
- AC 3.500 V Test: 5 minutes.
- Oils resistant.
- Chemical resistance.
- Ultra-violet light resistant (made on-demand).
- Resistance to the cold.
- Working temperature (fixed installation): -25°C, +90°C. 90°C in good condition continuous, 250°C in short circuit.
- Colours: s/UNE-21089-1.
- Crosslinking polyethylene (XLPE), type DIX3 s/HD 603-1.
- Inner and outer sheat made of PVD type DMV-18
- Copper strip

Cable de potencia armado ATEX

Zones 0,1, 2, 20, 21 and 22

Norms and certificates

- Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- Fire retardant (made on-demand): UNE-EN-60332-3; IEC-60332-3; IEEE 383.
- According to UNE 21123-2, IEC-60502-1.
- Low halogen emission (made on-demand): UNE-EN-50267-2-1; IEC-60754-1; Emission CIH <= 14%.
- Class 5 according to UNE-EN-60228.
- Annealed electrolytic copper.
- Hydrocarbons resistant (on-demand): UIC-895-2.3.3.4

Technical Data

- Working voltage: 0,6/1 kV.
- Annealed electrolytic copper.
- Class 5 according to UNE-EN-60228.
- Crosslinking polyethylene (XLPE).
- Inner and outer sheath of PVD.
- Screen of copper strip.
- AC 3.500 V Test: 5 minutes.
- Working temperature (fixed installation): -25°C, +90°C.

Reference

Reference
DVCA100

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Hazardous areas transportation and distribution of electric cable

Zones 0,1, 2, 20, 21 and 22

Example

Hazardous area cable for Transportation and distribution of electric power in stationary installations, networks distribution, power supply, public lighting installations and industrial electrical connections to the air or underground, in which high benefits are required forehead to overloads and short circuits. Installations where it is necessary mechanically to protect cables against tensile stress, shear, blows, rodents, termites and against the risk of deflagration in explosive atmospheres or with fire risk. Hazardous areas

These cables can, with the appropriate accessories, be used in an explosive atmosphere, hazardous areas.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Characteristics

- Low water absorption.
- Oils resistant.
- Chemical resistance.
- Ultra-violet light resistant (made on-demand).
- Resistance to the cold. Insulation made of crosslinking polyethylene (XLPE), type DIX3 s/HD 603-1.
- Inner and outer sheath made of PVD type DMV-18 s/HD 603-1.

Hazardous areas transportation and distribution of electric cable

Zones 0,1, 2, 20, 21 and 22

Norms and certificates

- Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- Fire retardant (made on-demand): UNE-EN-60332-3; IEC-60332-3; IEEE 383.
- Low halogen emission (made on-demand): UNE-EN-50267-2-1; IEC-60754-1; Emission ClH <= 14%.
- Hydrocarbons resistant (on-demand): UIC-895-2.3.3.4.

Technical Data

- Annealed electrolytic copper. Class 5.
- AC 3.500 V Test: 5 minutes.
- Working temperature (fixed installation): -25°C, +90°C.
- Working voltage: 0,6/1 kV.
- Armour of galvanized steel wires.
- Inner and outer sheath of PVD.

Reference

Reference
DVC100

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Hazardous area cable for transport and distribution of electrical energy

Zones 0,1, 2, 20, 21 and 22

Example

Hazardous area Armoured cable For transport and distribution of electrical energy in hazardous area and where the fire risk is important (oil gas industry, petrochemical, tunnels, etc.) and in installations where it is necessary mechanically to protect cables against tensile stress, shear, blows, rodents, termites and against the risk of deflagration in explosive atmospheres or with fire risk, hazardous areas.

These cables can, with the appropriate accessories, be used in an explosive atmosphere.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Characteristics

- Low water absorption.
- Conductor Works at 900°C in good condition continuas and at 2500°C in short circuit, made of anneled electrolytic copper.
- Insulation of ethylene-propylene of high module (HEPR).
- Inner and outer sheath made of thermoplastic special mixture, zero halogenous (non-propagator of the fire).
- Armour made with galvanized steel wires.

Hazardous area cable for transport and distribution of electrical energy

Zones 0,1, 2, 20, 21 and 22

Norms and certificates

- Low opaque smoke emission: UNE-EN-61034-1-2; IEC-61034-1,2.
- Halogen free: UNE-EN-50267-2-1; IEC-60754-1; BS-6425-1.
- Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- Fire retardant: UNE-EN-60332-3; IEC-60332-3; IEEE-383; NFC-32070-C1.
- According to UNE 21123-5.
- No corrosive gas emission: UNE-EN-50267-2-3; IEC-60754-2; NFC-20453; BS-6425-2; pH >= 4.3; C <= 10µS/mm.
- Reduced emission toxic gas: NES-713; NFC-20454; IT<=1.5.

Reference

Reference
DVC200

Technical Data

- AC 3.500 V Test: 5 minutes.
- Ultra-violet light resistant (made on-demand).
- Resistance to the cold.
- Working temperature (fixed installation): -40°C, +90°C.
- Working voltage: 0,6/1 kV.
- Armour of galvanized steel wires.
- Inner and outer sheath of thermoplastic special mixture.

Hazardous area multiconductive armoured cable

Zones 0,1, 2, 20, 21 and 22

Example

Hazardous area Multiconductive cable, to multipar or multitriple, armed with galvanized steel wire braid, screened to the set with aluminium/polyester for protection against electrical and electromagnetic disturbances, destined to the transmission of signals of control, instrumentation, alarms, security, etc. in the industrial processes where in addition a greater flexibility is required and cables free halogenous nonpropagators of the fire.

These cables can, with the appropriate accessories, be used in an explosive atmosphere Hazardous areas.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.

Their insulation endows them with the ability to withstand corrosive substances, making these cables particularly well-suited for use in the chemical industry.

Characteristics

- Annealed electrolytic copper, class 5.
- Insulation made of polyethylene (PE).
- Crosslinking made of free polyethylene halogenous XLPE.
- Inner and outer sheath made of free polyolefine halogenous nonpropagator of the fire Z1-FR-LS-HF.
- Armour of galvanized steel wires braid with screen of complex thread aluminium/polyester.
- Tinned copper drainage wire. Overlap 25%, cover 100%.

Hazardous area multiconductive armoured cable

Zones 0, 1, 2, 20, 21 and 22

Norms and certificates

- Flame retardant: UNE-EN-60332-1y2; IEC-60332-1y2; NFC 32070-C2.
- Fire retardant (made on-demand): UNE-EN-60332-3; IEC-60332-3; IEEE 383.
- Annealed electrolytic copper, according to UNE 21123-2, IEC-60502-1.
- Low halogen emission (made on-demand): UNE-EN-50267-2-1; IEC-60754-1; Emission ClH <= 14%.
- Hydrocarbons resistant (on-demand): UIC-895-2.3.3.4.

Reference

Reference
DVCS100

Technical Data

- Annealed electrolytic copper. Class 5.
- Crosslinking polyethylene (XLPE).
- Inner and outer sheath of free Polyolefine halogenous nonpropagator of the fire Z1-FR-LS-HF.
- Screen of Complex thread aluminum/polyester.
- Armour of galvanized steel wires braid.
- Screen of complex thread aluminum/polyester.
- Polyester thread.
- Tinned copper drainage wire (Generally 7x0.3mm - S=0.5mm^2.).
- Overlap 25%, cover 100%.

Hazardous área Voice and IP cable

Zones 0,1, 2, 20, 21 and 22

Example

Hazardous area Category 6 UTP cable is designed to support any data or voice system that is capable of running over a Category 6 system. With the armour of steel wires is specially adapted for areas with risk of deflagration in explosive atmospheres or with fire risk.

They provide excellent features that exceed the requirements for category 6 , obtaining values far superior to existing cables on the market for this category performance.

Reference

Reference
DVCR100

Norm

- Meets ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E Standards
- IEC 60332-1 (Low-Smoke Zero Halogen) flame rated
- Supports IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-T (fast Ethernet), and 10BASE-T applications

Technical Data

- DC resistance Max. 8.9 Ω/100 m at 20° C
- Resistance unbalance Max. 2% at 20° C
- Insulation resistance (500V) Min. 5000 MΩ/Km at 20° C
- Mutual capacitance Nom. 5.1 nf/100 m at 1kHz
- Capacitance unbalance (pair to ground) Max. 160 pf/100 m at 1kHz
- Characteristic impedance (1 - 100MHz) (100 ± 15) Ω
- Nominal velocity of propagation 67%
- Test voltage (DC, 1 min.) 1 kV/1 min.
- Delay Skew 45 ns/100 m Max.

Contact us at:
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We'll give a solution as

Delvalle hazardous area solutions

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Atex enclosure
Luxorex Serie

Increased safety enclosure
Tribex Serie

Atex terminal boxes
Terbox Serie

Control equipment
Contrex Serie

Plug and socket boxes
Connex Serie

Pressurized enclosure Ex p
Peppex Serie

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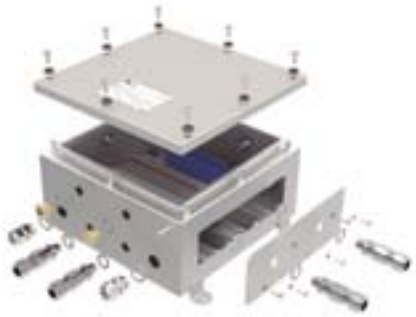
Atex junction box
Geoex Serie



Flameproof enclosure
Atex Ex d
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atex delvalle®

HAZARDOUS AREA SOLUTIONS

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Contact us, we will be available at any time.