

ECX EXTENSION CORD


ATEX/IECEX Power Extension Cable

The ATEX/IECEX certified ECX Series Power Cords from Euramco Group are designed to take a beating. Rated for Extra Hard Usage, the highly flexible H07RN-F cables are extremely high on impact, cutting, abrasion, oils, and most industrial chemicals. Their flexible jackets allow for easy installation and routing of the cable even in extreme cold weather conditions.

ECX Power Extension Cords are terminated with IP66 connectors, which are made of industrial grade polymers for stronger durability under harsh environments. They are totally sealed against dust and moisture ingress and protected against heavy seas or powerful jets of water, which make it exceptionally resilient to extreme environmental conditions. With a variety of cable sizes and lengths, the ECX Power Extension Cords are always ready to power equipment.



Specifications

| MODEL SERIES | ATEX/IECEX CERTIFICATION STRING | ATEX DIRECTIVE | | |
|--------------|---|---|-------|--|
| ECX |  II 2 G Ex db eb IIC T6 Gb II 2 D Ex tb IIIC T80°C Db DEMKO 20 ATEX 2364X IECEX UL 20.0034X | 2006/42/EC - Machinery Directive 2014/35/EU - Low Voltage Directive 2014/30/EU - EMC Directive 2011/65/EU - RoHS - Reduction of Hazardous Substances Directive | | |
| TYPE | APPROVALS | OPERATING TEMPERATURE RANGE | COLOR | CHARACTERISTICS |
| H07RN-F | RoHS, CE, VDE, <HAR>, EN 50525-2-21 | 20°C to + 40°C | Black | Resistant to mechanical influences in harsh environmental conditions. Suitable for outdoor use. Flame-retardant. Cold-resistant, Water-resistant. Oil-resistant. UV-resistant. |



| Fan Model | Maximum Recommended Cable Length | | | |
|-----------|----------------------------------|-------|--------|-------|
| | 110V | | 230V | |
| | Meters | Feet | Meters | Feet |
| UB20xx | 50m | 164ft | 50m | 164ft |
| EFi75xx | 10m | 33ft | 50m | 164ft |
| EFi120xx | - | - | 50m | 164ft |
| EFi150xx | 5m | 16ft | 35m | 115ft |

| Model Numbers | | Certified Extension Cords for ATEX blowers |
|---------------|---------------|--|
| 110V | 240V | |
| H7250151-ATX1 | H7250152-ATX2 | ATEX Extension Cord, 15m, ATX M/F connectors 16A |
| H7250151-CEA1 | H7250152-CEA2 | ATEX Extension Cord, 15m, CEAG M/F connectors 16A |
| H7250151-STA1 | H7250152-STA2 | ATEX Extension Cord, 15m, STAHL M/F connectors 16A |
| H7250301-ATX1 | H7250302-ATX2 | ATEX Extension Cord, 30m, ATX M/F connectors 16A |
| H7250301-CEA1 | H7250302-CEA2 | ATEX Extension Cord, 30m, CEAG M/F connectors 16A |
| H7250301-STA1 | H7250302-STA2 | ATEX Extension Cord, 30m, STAHL M/F connectors 16A |

ATEX EXPLAINED

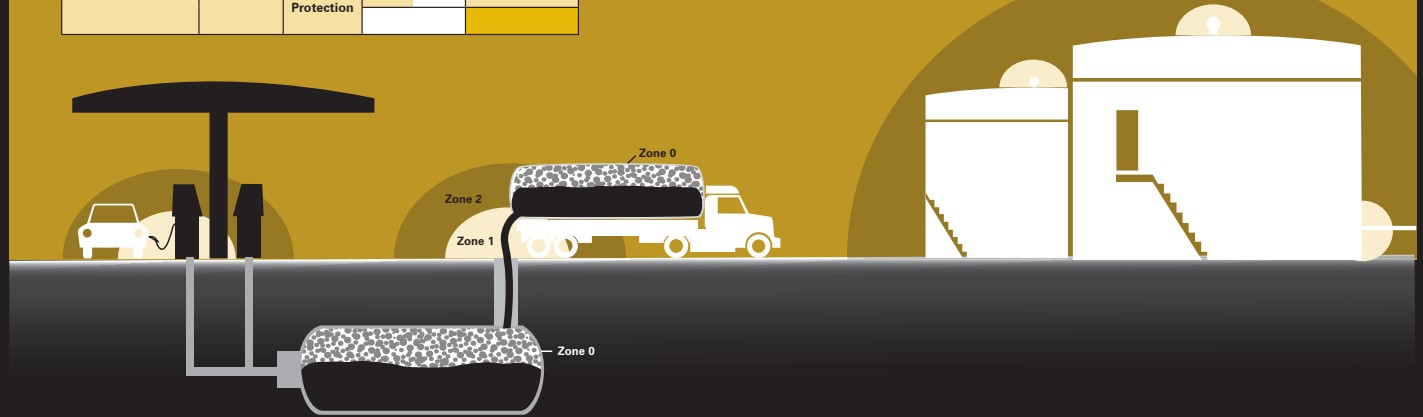
1 EQUIPMENT GROUP & CATEGORY

| Equipment Group | Equipment Category | Protection Level | Hazard Gas | Dust | Use |
|------------------------------|--------------------|----------------------|------------|------|------------------|
| II - Industrial (non-Mining) | 1 | Very high protection | G | - | Zones 0, 1, 2 |
| | 2 | High Protection | - | D | Zones 20, 21, 22 |
| | | | G | - | Zones 1, 2 |

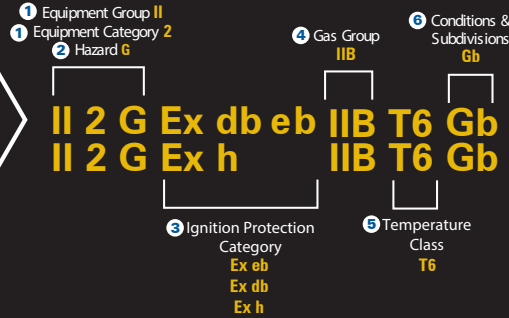
2 CLASSIFICATION OF HAZARDOUS

| Area Classification | Zone Criteria (based on frequency and duration) |
|---------------------|--|
| Zone 0 | Potentially Explosive substance present continuously or for long periods > 1000hrs/yr |
| Zone 1 | Potentially Explosive substance likely to be present in normal operation > 10hrs < 1000hrs/yr |
| Zone 2 | Potentially Explosive substance unlikely to be present in normal operation, if it does will only be for short periods < 10hrs/yr |

Zone 0
 Zone 1
 Zone 2



ATEX STRING



4 GAS GROUPS

| Gas Group | Representative Test Gas |
|-----------|-------------------------|
| IIA | Propane |
| IIB | Ethylene |

Gas Group IIB includes all gases for Group IIA

3 IGNITION PROTECTION CATEGORIES

| Ignition Protection Categories | I.D. | Zone(s) | Safety Principle |
|--------------------------------|-------|----------------|--|
| Increased safety | Ex eb | Zone 1 | No arcs, sparks or hot surfaces |
| Flame-proof | Ex db | Zone 1 | Contain the explosion and extinguish the flame |
| Constructional Safety | Ex h | Zone 1, Zone 2 | Ignition hazards mitigated by good engineering methods |

5 TEMPERATURE CLASSES

| Class | T1 | T2 | T3 | T4 | T5 | T6 |
|-------|---|---|---|-------------------|-------|------|
| | MAXIMUM SURFACE TEMPERATURE | | | | | |
| | 450°C | 300°C | 200°C | 135°C | 100°C | 85°C |
| IIA | Acetone Ammoniac Benzene Acetic Acid Ethane Ethyl Acetate Ethyl Chloride Methane Methanol | i-Amylacetate n-Butane n-Butyl Alcohol | Gasolines Diesel Fuels Heating Oils n-Hexane | Acetyl- dehyde | - | - |

Gas Group IIB, Class t6 includes all specifications for Gas Group IIA, Class T1-T6 and Gas Group IIB, T1-T6

6 CONDITIONS & SUBDIVISIONS

| Flammable Materials | Temporary Behavior of Explosive Atmosphere | Classification of Hazardous Areas | Group as Defined in Directive 2014/34/EU | Equipment Category as Defined in Directive 2014/34/EU | Equipment Group as Defined in EN 60079-0 | Equipment Protection Level (EPL) as Defined in EN 60079-0 |
|---------------------|---|-----------------------------------|--|---|--|---|
| Gases/Vapors | is present continuously or for long periods or frequently | Zone 0 | II | 1G | II | Ga |
| | arises in normal operation occasionally | Zone 1 | II | 2G or 1G | II | Gb or Ga |
| | is not likely to arise in normal operation, or if it does, will persist for a short time only | Zone 2 | II | 3G or 2G or 1G | II | Gc or Gb or Ga |

CERTIFICATIONS

IECEx UL Certificate #: 13.0062X
 EC-Type Examination Certificate #: DEMKO 09 ATEX 0926969X
 INMETRO Certificate #: UL-BR 13.0593X
 CE Hazardous Location Marking: CE0539
 Ingress Protection: IP55

Highlighted areas in chart apply to Euramco Group's ATEX certification