

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

Certified Extension Cords for ATEX blowers

Accessory	Model	Description
	H7250152-ATX2	ATEX Extension Cord, 15m, ATX 240V M/F connectors 16A
	H7250152-CEA2	ATEX Extension Cord, 15m, CEAG 240V M/F connectors 16A
	H7250152-STA2	ATEX Extension Cord, 15m, STAHL 240V M/F connectors 16A
	H7250302-ATX2	ATEX Extension Cord, 30m, ATX 240V M/F connectors 16A
	H7250302-CEA2	ATEX Extension Cord, 30m, CEAG 240V M/F connectors 16A
	H7250302-STA2	ATEX Extension Cord, 30m, STAHL 240V M/F connectors 16A

ATEX EXPLAINED

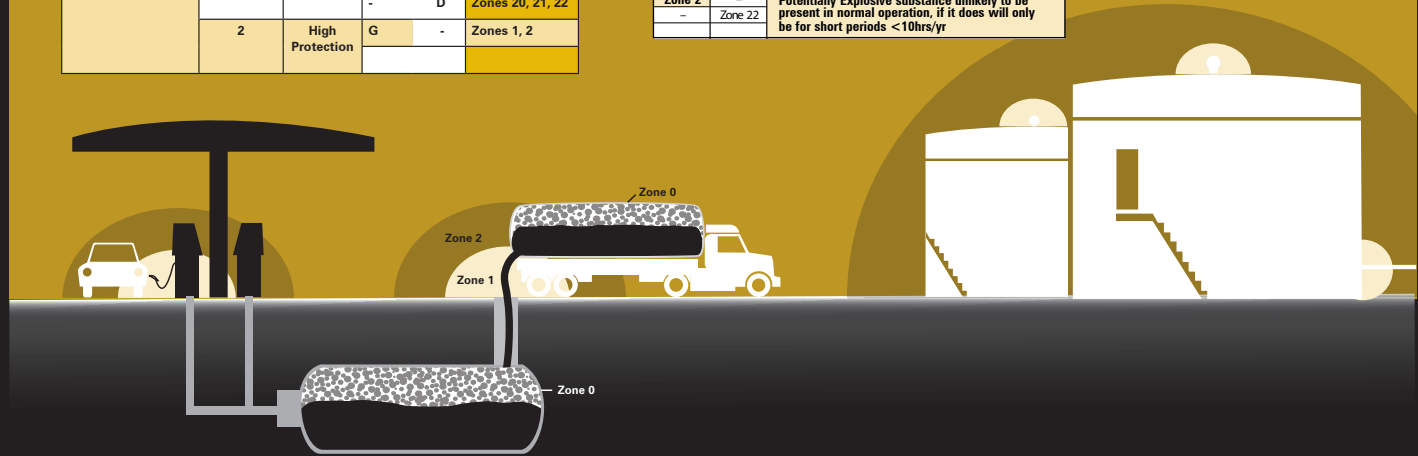
1 EQUIPMENT GROUP & CATEGORY

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

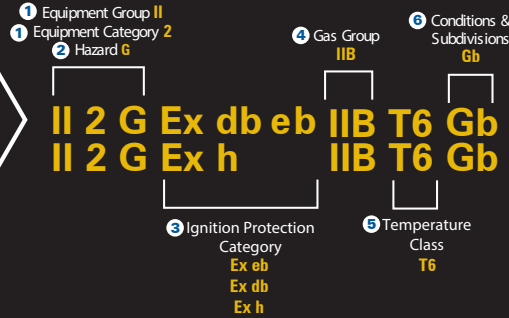
2 CLASSIFICATION OF HAZARDOUS

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