



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx UL 20.0034X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2020-06-03

Applicant: **Euramco Safety Inc.**  
2746 Via Orange Way  
Spring Valley, CA 91978  
**United States of America**

Equipment: **Power Extension Cables, Models ECX-110 and ECX-240**

Optional accessory:

Type of Protection: **Flameproof "db", Increased Safety "eb", Dust Ignition Protection by Enclosure "tb"**

Marking: Ex db eb IIC T6 Gb  
Ex tb IIC T80°C Db  
-20 °C to + 40 °C

Approved for issue on behalf of the IECEx  
Certification Body:

**Lucy Frieders**

Position:

**Staff Engineer**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**UL LLC**  
**333 Pfingsten Road**  
**Northbrook IL 60062-2096**  
**United States of America**





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Manufacturer: **Euramco Safety Inc.**  
2746 Via Orange Way  
Spring Valley, CA 91978  
**United States of America**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

#### STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

**IEC 60079-7:2017** Explosive atmospheres - Part 7: Equipment protection by increased safety "e"  
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

#### TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[US/UL/ExTR20.0035/00](#)

Quality Assessment Report:

[US/UL/QAR12.0011/05](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Power Extension Cables are designed to temporarily extend the reach between an AC power source and an electrical device, such as portable fans, area lighting, etc., for use in hazardous locations.

The power extension cables, models ECX-110 and ECX-240, are built with three critical parts: Cable, Plug and Couplers.

Cables were selected based on the need for extra heavy-duty applications. Plugs and Couplers are separately IECEx certified and adequate for use in hazardous locations.

The IECEx Power Extension Cables are available for 110VAC (model ECX-110) or 240VAC (model EXC-240) power requirements.

**Please see Annex for additional information.**

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The coupling socket-device must not be used in dust areas where highly charge-generating processes, machine friction and separation processes, electron spraying (e.g. around electrostatic coating systems) and pneumatically conveyed dust occur.

The flameproof joints are not intended to be repaired.

## **Annex:**

[Annex to IECEx UL 20.0034X Issue 0.pdf](#)



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## **TYPE DESIGNATION**

**Model ECX-110, for 110-130VAC, part number configuration:**

H7	XX	XXX1	-	XX
A	B	C	-	D

Where:

A	Cable Type	H7 – H07RN-F
B	Wire Size	15 – 1.5 mm <sup>2</sup> 25 – 2.5 mm <sup>2</sup>
C	Cable Length (meters)	01 – 1 m 02 – 2 m ... 99 – 99 m
D	Connection Type	ATX1 – Appleton 110V CEA1 – CEAG 110V

and,

(Only for Stahl 110-130VAC Power Cables)

H7	XX	XXX1	-	XX
A	B	C	-	D

Where:

A	Cable Type	H7 – H07RN-F
B	Wire Size	15 – 1.5 mm <sup>2</sup> 25 – 2.5 mm <sup>2</sup> 40 – 4.0 mm <sup>2</sup>
C	Cable Length (meters)	01 – 1 m 02 – 2 m ... 99 – 99 m
D	Connection Type	STA1 – Stahl 110V



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**Model ECX-240, for 200-250VAC, part number configuration:**

H7	XX	XXX2	-	XX
A	B	C	-	D

Where:

A	Cable Type	H7 – H07RN-F
B	Wire Size	15 – 1.5 mm <sup>2</sup> 25 – 2.5 mm <sup>2</sup>
C	Cable Length (meters)	01 – 1 m 02 – 2 m ... 99 – 99 m
D	Connection Type	ATX2 – Appleton 240V CEA2 – CEAG 240V

and,  
(Only for Stahl 200-250VAC Power Cables)

H7	XX	XXX2	-	XX
A	B	C	-	D

Where:

A	Cable Type	H7 – H07RN-F
B	Wire Size	15 – 1.5 mm <sup>2</sup> 25 – 2.5 mm <sup>2</sup> 40 – 4.0 mm <sup>2</sup>
C	Cable Length (meters)	01 – 1 m 02 – 2 m ... 99 – 99 m
D	Connection Type	STA2 – R. Stahl 240V

**PARAMETERS RELATING TO THE SAFETY**

110VAC or 240VAC  
Maximum current: 16 A



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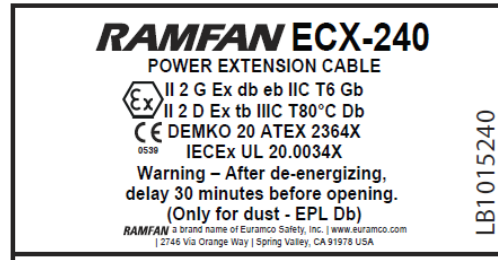
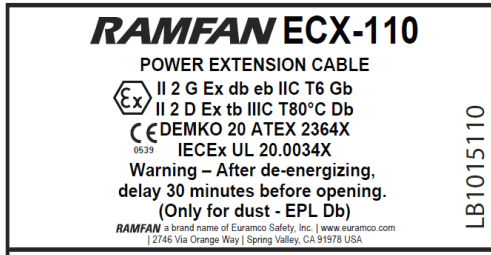
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## MARKING

Marking has to be readable and indelible; it has to include the following indications:

Ex Marking labels:



Serial Number Label:



## LIST OF CERTIFIED COMPONENTS

The following additional previous editions of Standards noted under the “Standards” section of this Certificate were applied to integral Components as itemized below. There are no significant safety related changes between these previous editions and the editions noted under the “Standards” section.

Product	Certificate Number	Standards
Coupler / Plug	IECEX LCI 04.0014 issue 2	IEC 60079-0 (Ed.3.1), IEC 60079-1 (Ed.4), IEC 60079-7 (Ed.3) IEC 61241-0 (Ed. 1) IEC 61241-1 (Ed. 1)
Coupler / Plug	IECEX BVS 17.0045X Issue No. 2	IEC 60079-0 (Ed.6), IEC 60079-1 (Ed.7), IEC 60079-7 (Ed.5) IEC 60079-31 (Ed. 2)
Coupler	IECEX PTB 16.0027 issue No.: 0	IEC 60079-0 (ed. 6) IEC 60079-1 (ed. 7) IEC 60079-7 (ed. 5) IEC 60079-31 (Ed. 2)
Plug	IECEX PTB 05.0023 issue 3	IEC 60079-0 (Ed.4), IEC 60079-1 (Ed.6), IEC 60079-7 (Ed.4), IEC 61241-0 (Ed. 1) IEC 61241-1 (Ed. 1)