



COELBO

Apparecchiature Antideflagranti
Explosion Proof Equipment
Explosiongeschützte Betriebsmittel
Aparamenta Antideflagrante
Équipement Antidéflagrant

Brugherio (MB) 2017.02.15

Yr.Ref. Mr. S. Höger

Our.Ref. AM/AB

To:

EXEPD GmbH

L_PARK TAUBERFRANKEN 23

97922 Lauda-Königshofen

Germany

To the kind attention of Mr. HÖGER

SUBJECT: ARMORED CABLE

We hereby declare that armored cables supplied by Coelbo suit applicable explosion proof Standards in force.

At disposal for any further details about it,

Sincerely we remain.

COELBO srl


Eng. A.Micieli
Tech.Dpt.

COELBO S.r.l.

Via S.Margherita, 83 - 20861 BRUGHERIO (MB) – ITALY

☎: +39 039884618 - ☎: +39 039880341 www.coelbo.it - E-mail: info@coelbo.it

[Capitale sociale Euro 41600 - Iscr.Trib. Monza n°48810

C.C.I.A.A. 1386491 – C.F./P.IVA 02203000969]



UNI EN ISO 9001:2008



ATEX NOTIFIED



IT/CES/QAR10.0009



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SUBJECT: SELECTION OF CABLE ENTRIES

Extract of IEC/EN 60079-14:2014 about selection of cable entries on Ex d equipment follows.

10.6.2 Selection of cable glands

The cable entry system shall comply with one of the following:

- a) Cable glands sealed with setting compound (barrier cable glands) in compliance with IEC 60079-1 and certified as equipment;
- b) Cables and glands meeting all of the following:
 - cable glands comply with IEC 60079-1 and are certified as equipment
 - cables used comply with 9.3.2(a)
 - the connected cable is at least 3 m in length;
- c) Indirect cable entry using combination of flameproof enclosure with a bushing and increased safety terminal box;
- d) Mineral-insulated metal-sheathed cable with or without plastic outer covering with appropriate flameproof cable gland complying with IEC 60079-1;
- e) Flameproof sealing device (for example a sealing chamber) specified in the equipment documentation or complying with IEC 60079-1 and employing a cable gland appropriate to the cables used. The sealing device shall incorporate compound or other appropriate seals which permit stopping around individual cores. The sealing device shall be fitted at the point of entry of cables to the equipment.

NOTE 1 The minimum length of cable is to minimize the potential for flame transmission through the cable (see also Annex E);

NOTE 2 If the cable gland and actual cable are certified as a part of the equipment (enclosures) then compliance to 10.6.2 is not necessary.

9.3.2 Cables for fixed installations

Cables used for fixed installations in hazardous areas shall be appropriate for the ambient conditions in service. Cables shall be:

- a) Sheathed with thermoplastic, thermosetting, or elastomeric material. They shall be circular and compact. Any bedding or sheath shall be extruded. Fillers, if any, shall be non-hygroscopic; or
- b) Mineral insulated metal sheathed; or
- c) Special, e.g. flat cables with appropriate cable glands. They shall be compact and any bedding or sheath shall be extruded. Fillers, if any, shall be non-hygroscopic.

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Where there is a likelihood that gas or vapour migration may occur through the interstices between individual cores of a cable, and the cable leads to a non-hazardous area or between different zones, then the construction and application of the cable shall be taken into account.

Appropriate control measures to mitigate this condition shall be considered (see Annex E).

Where there is a likelihood that propagation of flames may occur through the interstices between individual cores of a cable, this shall also be considered.

Mineral insulated cables shall be sealed.

NOTE These requirements do not cover the selection of equipment for process sealing

At disposal for any further details about it,

Sincerely we remain.

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