



Certificate of Compliance

Certificate: 1461917

Master Contract: 233766

Project: 80061207

Date Issued: 2020-11-19

Issued To: Prysmian Cables & Systems Limited
Components Unit
Oak Road

Wrexham Industrial Estate
Wrexham, ., LL13 9PH
United Kingdom

Attention: Jonathan Rawlinson

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: *Joe DaSilva*
Joe DaSilva



PRODUCTS

CLASS - C441805 - CABLE Hardware - For Hazardous Locations

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III:

Cable Glands, with integral seal (SL) for single and multi conductor non-armor cables Type RW90 (XLPE) or similar construction:

- Type BARR-A, Design No 424BT, 424UB, 424UC, 424UE, 424UM, 424US and 424UN-02, -03, -04, -05, -15; -06, -07, -08 and -09, trade sizes ½ to 3-1/2 in.



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Notes:

1. Design No 424BT denotes all components in brass, electro-less nickel plated with the exception of the ferrule which is not plated.
2. Design No 424UB denotes all metal components in brass, with the gland body electro-less nickel-plated.
3. Design 424UC denotes all metal components in brass, nickel-cadmium plated finish.
4. Design No 424UE denotes all metal components in brass, electro-less nickel-plated finish.
5. Design No 424UM denotes gland body and coupler in mild steel and all other metal components in brass, electro-less nickel-plated finish.
6. Design No 424UN denotes gland body and coupler in aluminium, and all other metal components in brass, electro-less nickel-plated finish.
7. Design No 424US denotes gland body and coupler in stainless steel and all other metal components in brass, electro-less nickel-plated finish.

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4X:

Cable Glands, with integral seal (SL) for use with marine shipboard cable with metal braided armor construction:

- Type BARR-X, Design No: 424 AN-01, -02, -03, -04, -05, -06, -07, -08 and -09. Trade sizes ½ inch NPT to 3-1/2 inch NPT.

Notes:

1. Cable gland material include brass, stainless steel or nickel plated brass.
2. Type Barr-X cable glands is for use only with the following metal braided marine shipboard cables:
 - i. "Exane™ armoured and sheathed rig cable product specification Nos DAA1048B and DAC1048C.
 - ii. CCTV cable P/N 25044, rated 100V, FT4, -30C.
3. Cables specified above do not include type constructed with subassemblies (Pairs or Triads).
4. Installation instruction sheets provided with each cable gland.
5. These glands are for use with certified Braid Armored Marine Shipboard Cable, according to CSA Std 22.2 No 245, IEEE 1580, IEC 60092-350/353 Standards or certified equivalent, when installed in accordance with IEEE 45, API 14F, API 14FZ, IEC 60079-14 Standards or equivalent, for use on Shipboard and Offshore Rigs/Platforms only and are subject to local authorities having jurisdiction on the installation
 - Type BARR-DX, Design No: AB424-UL -01, -02, 12; For use with marine shipboard cable employing aluminum or bronze braided armor only. For vertical or horizontal mounting; Trade sizes ½ inch NPT to 3/4 inch NPT



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Class I, Groups C and D; Class II, Groups E, F and G; Class III; Type 4X:

- Type BARR-DX, Design No: AB424-UL -03, -04, -05, -06, -07, -08, -09 and -15; For use with marine shipboard cable employing aluminum or bronze braided armor only. For vertical or horizontal mounting; Trade sizes 1 inch NPT to 3-1/2 inch NPT

CLASS - C441885 - CABLE-Hardware For Hazardous Locations-Certified to U.S. Standards

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4X:

- Type BARR-DX, Design No: AB424-UL -01, -02, 12; Type BARR-X, Cat. No. AB424-AN-01, -02, -10, -12, for use with marine shipboard cable employing aluminum or bronze braided armor only. For vertical or horizontal mounting; Trade sizes 1/2 inch NPT to 3/4 inch NPT

Class I, Groups C and D; Class II, Groups E, F and G; Class III; Type 4X:

- Type BARR-DX, Design No: AB424-UL -03, -04, -05, -06, -07, -08, -09 and -15; Type BARR-X, Cat. No. 424-AN -03, -04, -05, -06, -07, -78, -09 and -15, for use with marine shipboard cable employing aluminum or bronze braided armor only. For vertical or horizontal mounting; Trade sizes 1 inch NPT to 3-1/2 inch NPT

Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III:

- Type BARR-A, Design No Series BARR-UB Cat. No. 424-UB-01, -02 and -03, integrally sealed (SL) for use with un-armoured marine shipboard cable for use with manufacture's Sealing Compound. Trade Sizes 1/2 and 3/4 in NPT
- Type BARR-A, Design No Series BARR-UN and BARR-BT; Cat Nos. 424-BT and 424-UN, followed with suffixes - 01, -02, or -03, integrally sealed (SL) for use with Tray Cable (TC) type cables. Trade Sizes 1/2 and 3/4 in NPT.

Class I, Div. 2, Groups C and D; Class II, Div. 2, Groups F and G; Class III:

- Type BARR-A, Design No Series BARR-UN and BARR-BT; Cat Nos. 424-BT and 424-UN, followed with suffixes - 04, -05, -06, -07, -08, -09 or -15, integrally sealed (SL) for use with Tray Cable (TC) type cables. Trades sizes 1 in NPT to 3-1/2 in NPT.
- Type BARR-A, Design No Series BARR-UB Cat. No. 424-UB -01, -02 -03, -04, -05, -06, -07, -08, -09 and -15, integrally sealed (SL) for use with un-armoured marine shipboard cable for use with manufacture's Sealing Compound. Trade Sizes 1/2 in to 3-1/2 in NPT



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Note: The cable gland fittings utilizing Marine shipboard un-armored marine cables are suitable for installation on mobile offshore oil rigs and drilling platforms in accordance with subpart 111.60 of the United States Coast Guard Electrical Engineering Regulations, Subchapter J (Title 4b of Federal Regulations Parts 110 to 113 inclusive) as applied by the authority having jurisdiction.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 0-10	-	General Requirements - Canadian Electrical Code, Part II
CAN/CSA-C22.2 No 18.3-04	-	Conduit, Tubing and Cable Fittings
CAN/CSA-C22.2 No 25-1966	-	Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CAN/CSA-C22.2 No 30-M1986	-	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No 94-M91	-	Special Purpose Enclosures
CAN/CSA-C22.2 No 174-M1984	-	Cables and Cable Glands for Use in Hazardous Locations
ANSI/UL 120	-	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
ANSI/UL 2225	-	Cables and Cable Fittings For Use in Hazardous (Classified) Locations



Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80061207	2020-11-19	Update to CSA report 1461917 (project 2409002) to list model BARR-A 424BT in Class 4418-05 (correction, not a modification) and to correct the Master Contract number to 233788 and to correct certificate number from 1461947 to correct certificate number 1461917. (FIR follow-up, update to Report 2409002 to address (FC# 233768) FIR dated October 27, 2020).
0002409002	2011-07-28	Evaluation for possible update of report 1461917 to cover cable glands for use with un-armoured marine shipboard cables and Tray Cables for use in Class I, Div. 1/2; Class II, Div. 1/2; Class III.
1461917	2004-02-25	Supersedes Report LR 58087-1, PART B - BARR-A cable glands for use with non-armor cables for use in Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III into a separate report.
-5	1990-05-30	This application covers addition of Class I, Group A Ratings. BARR-A, Design
-3	1987-05-06	Report update by Customer Service.
-1	1984-12-19	Original Certification