

Capri cable gland certifications

ADE Ex Certification	LOCATIONS	HAZARDOUS LOCATIONS				
	Labs:	ATEX / INERIS	IECEX / INERIS	CCoE	INMETRO/CEPEL	KOSHA
<p>ADE-1F2,1F2 A,1F2 DS Cable outer Ø 2.75 to 104 mm Metric fixing thread M10 to M110 NPT fixing thread 1/8" to 4"</p> <p>ADE-4F and 5F; n°4 to 17 Cable outer Ø 4.5 to 104 mm Metric fixing thread M10 to M110 NPT fixing thread 1/8" to 4"</p> <p>ADE-6F; n°5 to 11 Cable outer Ø 6 to 48 mm Metric fixing thread M16 to M63 NPT fixing thread 3/8" to 2"</p> <p>ADE-1FC; n°4 to 16 Cable outer Ø 4 to 93 mm Metric fixing thread M16 to M110 NPT fixing thread 3/8" to 4"</p> <p>ADE-6FC; n°5 to 17 Cable outer Ø 6 to 104 mm Metric fixing thread M16 to M110 NPT fixing thread 3/8" to 4"</p>	Certificate no:	INERIS 12ATEX0032X	IECEX INE12.0025X	P360379/1	05.0558X 1F2, 1F2 A, 1F2 DS, 1FC 05.0559X 4F, 5F, 6F, 6FC	2015-BO-0245 to 0248 4F 2015-BO-0249 to 0256 1F2, 1F2 A, 1F2 DS 2015-BO-0479 to 0482 1FC 2015-BO-0483 to 0490 5F, 6F 2015-BO-0491 to 0494 6FC
	Standards:	EN 60079-0:2012; 60079-1:2007; 60079-7:2007; 60079-31:2009 IEC 60079-0:2011; 60079-1:2007; 60079-7:2006; 60079-31:2008	IEC 60079-0:2011; 60079-1:2007; 60079-7:2006; 60079-15:2010; 60079-31:2008	IEC 60079-0:2011; 60079-1:2007; 60079-7:2006; 60079-15:2010	ABNT NBR IEC 60079-0:2008; 60079-1:2009; 60079-7:2008; 60529:2009 IEC 60079-15:2010; 60079-31:2008	2013-54 IEC 60079-0:2004; IEC 60079-1:2003; IEC 60079-7:2001; IEC 60079-15:2005; IEC 61241-1:2004
	Protections:	II2GD Ex db IIC Ex eb IIC Ex tb IIIC II3G Ex nRc IIC IM2 Ex db I/Ex eb I	Ex db IIC Ex eb IIC Ex tb IIIC Ex db I Ex eb I	Ex db IIC Ex eb IIC Ex nRc IIC	Ex db IIC Ex eb IIC Ex tb IIIC Ex db I Ex eb I	Ex d IIC Ex e II Ex nR II Ex tD A21
	GR I special note:	Minimum thread M16 and 3/8" NPT; 1F2 A brass, bronze no:8-17; stainless steel no:4-17; 1F2 DS brass, bronze and stainless steel no:8-17; 4F and 5F brass, bronze no:7-17; stainless steel no:4-17				
	Operating temperatures:	ADE-1F2, 1F2 A, 1F2 DS, 4F and 5F: Black ring: -30°C to +80°C; red or grey ring: -60°C to +140°C ADE-6F: Red or grey ring: -60°C to +80°C ADE-1FC and 6FC: TSC compound: -60°C to +80°C				
	Cable types:	Non-armoured cable with ADE-1F2, 1F2 A, 1F2 DS and 1FC. Armoured or braided cable with ADE-4F, 5F, 6F and 6FC.				
IP:	IP66, IP67, IP68 (30m/7days).					

ADE UL Certification	cULus and UL	cULus Marine	UL Marine	
<p>ADE-1F2,1F2 A,1F2 DS and 1FC Cable outer Ø 2.75 to 104 mm</p> <p>ADE-4F and 5F; no 4 to 17 Cable outer Ø 4.5 to 104 mm</p> <p>ADE-6F; no 5 to 11 Cable outer Ø 6 to 48 mm</p> <p>ADE-1FC; no 4 to 16 Cable outer Ø 4 to 93 mm</p> <p>ADE-6FC; no 5 to 17 Cable outer Ø 6 to 104 mm</p>	File No:	E310130	E314047	E324850
	Standards:	UL 2225 UL 514B CSA C22.2 no: 60079-0:07 CSA E60079-7:03 CSA C22.2 no: 60079-1:07	UL 2225 UL 60079-0 UL 60079-7	UL 2225 UL 514B
	IP:	IP68 (with washers)	IP68 (with washers)	IP68 (with washers)
	Scope of certification:	<p>Class I, Zone 1, AEx e II ADE-1F2, 1F2 A, 1F2 DS and 1FC no 3 to no 8, thread sizes 1/2" to 1 1/4" NPT or M20 to M40, with TC-ER-HL non-armoured cable up to diameter 1 inch.</p> <p>Class I, Zone 2, AEx e II, Ex e II ADE-1F2, -1F2 A and -1F2 DS no 3 to 17, 1/2" to 4" NPT or M20 to M110 with non-armoured cable ITC, MV, PLTC, TC-ER-HL, TC-ER and TC. ADE-4F and -5F no 4 to 17, 1/2" to 4" NPT or M20 to M110 with armoured cable ITC, MV, PLTC, TC-ER-HL, TC-ER and TC. ADE-6F no 5 to 11, 1/2" to 2" NPT or M20 to M63 with armoured cable ITC, MV, PLTC, TC-ER-HL, TC-ER and TC.</p> <p>Class I, Zone 2, AEx de II, Ex de II ADE-1FC no 4 to 16, 1/2" to 4" NPT or M20 to M110 with non-armoured cable ITC, MV, PLTC, TC-ER-HL, TC-ER, TC and TSC compound. ADE-6FC no 5 to 17, 1/2" to 4" NPT or M20 to M110 with armoured cable ITC, MV, PLTC, TC-ER-HL, TC-ER, TC and TSC compound.</p> <p>Class I, Division 1, Groups A, B, C and D ADE-1FC no 4 to 9, 1/2" to 1 1/4" NPT or M20 to M40 with TC-ER-HL cable and TSC compound. ADE-6FC no 5 to 9, 1/2" to 1 1/4" NPT or M20 to M40 with TC-ER-HL cable and TSC compound. ADE-1FC no 4 to 16, 1/2" to 4" NPT or M20 to M110 with ITC-HL cable and TSC compound. ADE-6FC no 5 to 17, 1/2" to 4" NPT or M20 to M110 with ITC-HL cable and TSC compound.</p> <p>Class I, Division 2, Groups A, B, C and D ADE-1FC no 4 to 16, 1/2" to 4" NPT or M20 to M110 with non-armoured cable PLTC, PLTC-ER, ITC, ITC-ER, ITC-HL, TC, TC-ER, TC-ER-HL, MV and TSC compound. ADE-6FC no 5 to 17, 1/2" to 4" NPT or M20 to M110 with armoured cable PLTC, PLTC-ER, ITC, ITC-ER, ITC-HL, TC, TC-ER, TC-ER-HL, MV and TSC compound.</p>	<p>Class I, Zone 2, AEx e II, Ex e II ADE-1F2, -1F2 A and -1F2 DS no 3 to 17, 1/2" to 4" NPT or M20 to M110 with non-armoured marine shipboard cable.</p> <p>Class I, Zone 1, AEx e II, Ex e II Hazardous Locations for: ADE-4F and -5F no 4 to 17, 1/2" to 4" NPT or M20 to M110 with armoured marine shipboard cable. ADE-6F no 5 to 11, 1/2" to 2" NPT or M20 to M63 with armoured marine shipboard cable.</p>	<p>Class I, Division 2, Groups A, B, C and D ADE-1FC no 4 to 16, 1/2" to 4" NPT or M20 to M110 with non-armoured marine shipboard cable and TSC compound.</p> <p>Class I, Division 1, Groups A, B, C and D ADE-6FC no 5 to 17, 1/2" to 4" NPT or M20 to M110 with armoured marine shipboard cable and TSC compound.</p>
Operating temperature:	ADE-1F2, 1F2 A, 1F2 DS, 4F and 5F Black ring: -30°C to +80°C; red/grey ring: -60°C to +140°C ADE-6F, 1FC, 6FC -60°C to +80°C		ADE-1FC, 6FC -20°C to +40°C	

The Zone 1 and 2 marking allow installation in all gas atmospheres allowed by Article 505 of the NEC and section 18 of CEC. Per the NEC, 501.5, Zone 1 or 2 cable glands are permitted in a Division 2 location for non-sparking and arcing applications.

HAZARDOUS LOCATIONS			HAZARDOUS LOCATIONS FOR SHIPPING APPLICATIONS				DELUGE
NANIO EAC	NEPSI	SABS	BV	DNV	ABS	LLOYDS	Dcns
TC RU C-FR.F605.B.00858	GYJ13.1082X	MS/15-0314X	40910/A0 BV	TAE000010X	14-HS1274083-2-PDA	11/00072	DTSO 120121029
TR CU 012/2011 FOCT P M3K 60079-0:2011; 60079-1:2011; 60079-7:2012; 60079-15:2010; 60079-31:2010	GB 3836.1-2010; 3836.2-2010; 3836.3-2010; 12476.1-2000	SANS 60079-0:2012; 60079-1:2009; 60079-7:2009; 60079-15:2010; 60079-31:2009	IEC 60079-0:2011; 60079-1:2007; 60079-7:2006; 60079-15:2010; 60079-31:2008	EN 62444/1998 60079-0:2012; 60079-1:2007; 60079-7:2007; 60079-31:2009 IEC 62444:2014; 60079-0:2011; 60079-1:2007; 60079-7:2006; 60079-31:2008	ABS: 2014 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4 (4-8-3/1, 7 & 13, 4-8-4/27.4) ABS: 2014 Offshore Units & Structures 1-1-4/9.7, 1-1-A2, 1-1-A3 (4-3-3/9.1.2) UL 2225 IEC 60079-0:2011; 60079-1:2007 60079-7:2006; 60079-15:2010 60079-31:2008	IEC 60079-0:2011; 60079-1:2007 60079-7:2006; 60079-15:2010; 60079-31:2008 UL 2225 514B C22.2 No1	DTSO1:1991
1Ex d IIC Gb X 1Ex e IIC Gb X Ex nR IIC Gc X Ex tb IIIC Db PB Ex db I X PB Ex eb I X	Ex d IIC Gb Ex e IIC Gb Ex d I Mb Ex e I Mb DIP A21	Ex db IIC Ex eb IIC Ex tb IIIC Ex nRc IIC Ex db I Ex eb I	Ex db IIC Ex eb IIC Ex tb IIIC Ex nRc IIC Ex db I Ex eb I	Ex db IIC Ex eb IIC Ex tb IIIC Ex nRc IIC Ex db I Ex eb I			

	ATEX	IECEx	SHIPPING APPLICATION
Certificate No:	INERIS13ATEX0008X	IECEx INE13.0003X	BV 40909_A0
Standards:	EN 60079-0:2009 EN 60079-7:2007 EN 60079-31:2009 IEC 60079-0:2011 IEC 60079-7:2006 IEC 60079-31:2008	IEC 60079-0:2011 IEC 60079-7:2006 IEC 60079-15:2010 IEC 60079-31:2008	IEC 60079-0:2011 IEC 60079-7:2006 IEC 60079-15:2010 IEC 60079-31: 2008
Protections:	II2GD Ex eb IIC, Ex tb IIIC II3G Ex nRc IIC	Ex eb IIC Ex nRc IIC Ex tb IIIC	Ex eb IIC Ex nRc IIC Ex tb IIIC
IP:	IP66, IP67, IP68		
Operating Temperature:	-20°C to +80°C		

	ATEX	IECEx
Certificate no:	PTB14ATEX1015X	IECEx-PTB14.0027X
Standards:	EN 60079-0:2012 EN 60079-7:2007 EN 60079-31:2009	IEC 60079-0:2011 IEC 60079-7:2006:2007 IEC 60079-31:2008
Protections:	II2G Ex e IIC Gb II2D Ex tb IIIC Db	Ex e IIC Gb Ex tb IIIC Db
IP:	IP66	
Operating temperature:	-55°C to +70°C	