

PRODUCT TYPE CR-X

Single Compression Gland Designed for use with
Unarmoured Cable featuring Peppers T-1000 Compound

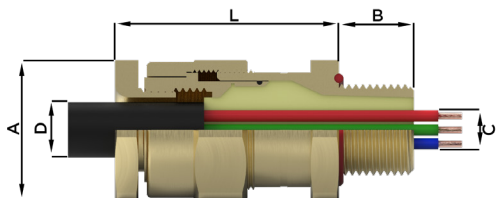
Ex d : Ex e : Ex nR : Ex ta : IP66 : IP68 : Class I Div 2 : AEx d : AEx e : AEx ta

EXAMPLE PART NUMBERING:
CR-XB/NP/20/M20

OPTIONAL
ACCESSORIES:

CABLE GLAND SELECTION TABLE
(ALL DIMENSIONS IN mm)

NOTES



OPTIONS	CR-X	Peppers T-1000 Compound (Barrier) Gland designed for use with unarmoured cable
	B	Brass (B) / Stainless Steel (S)
	C	PVC Shroud (C) - PCP Shroud (P) - Silicone LSOH Shroud (3)
	K-V-H	Locknut, & Nylon (K), Fibre (V) or PTFE (H) IP Washer
	T	Including Earth Tag
	S	Including Serrated Washer
	1	Quantity per kit
	NP	Nickel Plated
	20	Gland shell size
	M20	M20 x 1.5 Male Entry Thread

LOCKNUT	Brass (ACBLN) / Stainless Steel (ACSLN)
EARTH TAG	Brass (ACBET) / Stainless Steel (ACSET)
IP WASHERS	Nylon (ACNSW) / Fibre (ACFSW) / PTFE (ACPSW)
SERRATED WASHERS	Stainless Steel (ACSSW)
SHROUDS	PVC (ACSPVC) / PCP (ACSPCP) / Silicone LSOH (ACSSIO)

IP RATING:	IP66 & IP68 (100 metres - 7 Days), Type 4X & DTS01:1991
OPERATING TEMP:	-60°C to +135°C
MATERIALS:	Brass or Stainless Steel
PLATING:	Electroless Nickel
COMPOUND:	Peppers T-1000 Sealing Compound

Gland size	Entry Thread Size		Metric Thread Length [B]	Gland Seal Range - Cable Sheath & Cores			Nominal Protusion Length [L] Metric	Dimensions/Weight (Metric)			Shroud Size (Metric)
	Metric	NPT		Max Number of cores [C]	Max Ø Over Cores [C]	Max Outer Sheath [D]		Across Flats [A]	Across Corners	Weight (Kgs)	
20S	M20 x 1.5	1/2" or 3/4"	16	35	10.4	11.7	42	25.4	28.0	0.126	L24
20	M20 x 1.5	1/2" or 3/4"	16	40	12.5	14.0	44	30.0	33.0	0.167	L30
25	M25 x 1.5	3/4" or 1"	16	60	17.8	20.0	48	37.6	41.4	0.260	L38
32	M32 x 1.5	1" or 1 ¼"	16	80	23.5	26.3	53	46.0	50.6	0.396	L46
40	M40 x 1.5	1 ¼" or 1 ½"	16	130	28.8	32.2	54	55.0	60.5	0.600	L55
50	M50 x 1.5	2"	16	400	39.4	44.1	54	65.0	71.5	0.710	L65
63	M63 x 1.5	2 ½"	19	425	50.0	56.0	55	80.0	88.0	1.054	L80
75	M75 x 1.5	3"	19	425	60.8	68.0	60	90.0	99.0	1.318	L90
80	M80 x 2.0	3" or 3 ½"	25	425	64.4	72.0	80	104.0	115.2	2.734	L104
85	M85 x 2.0	3" or 3 ½"	25	425	69.8	78.0	80	104.0	115.2	2.282	L104
90	M90 x 2.0	3 ½" or 4"	25	425	75.1	84.0	85	114.0	125.7	2.854	L114
100	M100 x 2.0	3 ½" or 4"	25	425	80.5	90.0	85	114.0	125.7	2.453	L114

- Gland size does not necessarily equate to the entry thread size.
- The IP O-ring seal is only available on metric entry threads. IP washers can be supplied for tapered entry threads.
- Dimensions (A) & (B) may differ for glands with non metric entry threads. Please refer to our "Thread Reference Tables" for specific dimensions.
- Assembly instructions must be read prior to installation and adhered to in full.
- Peppers supply products with parallel entry threads that conform to the flameproof threaded joint requirements of IEC/EN 60079-1 and other equivalent standards. They usually incorporate a thread run out according to the available machining techniques and will not have a full form thread for the entire length.

PART NUMBERS:

C	R	X	B
			S



PRODUCT DESCRIPTION

"CR-X" type glands, approved for use with any shape cable, are certified Flameproof Ex db, Increased Safety Ex eb, Restricted Breathing Ex nR and Dust Protected Ex ta. They are suitable for use in Group I Mining, Zone 1 and 2 for Gas Groups IIA, IIB and IIC and additionally for use in Zones 20, 21 and 22 for Dust Groups IIIA, IIIB and IIIC. Occasionally referred to as "potting glands", they provide a compound barrier Ex db & IP seal on the cable inner cores (or flying leads), eliminating damage to cables that exhibit "cold flow" characteristics. The unique features include Peppers T-1000, the sealing compound that enables a quick and easy installation and an innovative barrier chamber that allows for a full inspection of the compound fill. The gland maintains IP66 & IP68 to 100 metres and is deluge proof without the use of an additional seal or deluge boot. It is supplied with an IP O-ring seal as standard on metric entry threads.

COMPLIANCE STANDARDS:

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-15, EN 60079-31
IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-15, IEC 60079-31 & IEC 60529
C22.2 (see certificate), CAN/CSA 60079-0/1/7, UL514B, UL1203, UL2225, UL50E
ANSI/UL 60079-0/1/7, ISA 60079-31

CERTIFICATION:

ATEX	I M2 II 1D 2G Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex ta IIC Da II 3G Ex nR IIC Gc
IECEX	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
CEC - Canada	Class I Division 2, Groups A, B, C & D Class II Division 1, Groups E, F & G Class I Zone 1 Ex d IIC / Ex e II Class III, Enclosure Type 4X
NEC - USA	Class I Division 2, Groups A,B,C and D Class II Division 1, Groups E, F & G Class I Zone 1 AEx d IIC Gb / AEx e IIC Gb Class II Zone 20 AEx ta IIC Da Class III, Enclosure Type 4X
EAC	PB Ex d I Mb / 1Ex d IIC Gb X / 1Ex e IIC Gb X / 2Ex nR IIC Gc X / Ex ta IIC Da X
INMETRO - Brazil	Ex db I Mb / Ex db IIC Gb / Ex eb I Mb / Ex eb IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
SAC - China	Ex d IIC Gb / Ex e IIC Gb
UKRAINE	I M2 Ex db I Mb / II 2G Ex db IIC Gb / II 2G Ex eb I Mb / II 2G Ex eb IIC Gb II 3G Ex nR IIC Gc / II 1D Ex ta IIC Da
CCoE - India	Ex d IIC Gb (Zone 1) / Ex e IIC Gb (Zone 2) / Ex nR IIC Gc (Zone 2)
ABS	Specified ABS Rules
LLOYD'S	Ex d I Mb / Ex d IIC Gb / Ex e I Mb / Ex e IIC Gb / Ex nR IIC Gc / Ex ta IIC Da
RMRS	Ex d IC / Ex d IIC / Ex e IC / Ex e IIC / Ex ta IIC

CERTIFICATION No:

ATEX	SIRA 03ATEX1479X & SIRA 09ATEX4124X
IECEX	IECEX SIR 07.0098X
CEC - Canada	CSA 1356011
NEC - USA	CSA 2627370
EAC	RU C-GB.BH02.B.00693-18
INMETRO - Brazil	NCC 13.2188 X
SAC - China	NEPSI GYJ16.1401X
UKRAINE	CU 18.0322 X
CCoE - India	PESO P365300/4 & P365300/10
ABS	14-LD463991A-1-PDA
LLOYD'S	10/00056(E1)
RMRS	14.02755.315

CURING TIME:

@ 21°C Conductor termination can be effected after 1 hour. Compound chamber can be fully inspected after 4 hours and the equipment then energised.

- Peppers Cable Glands Limited will not be held responsible for clients' installations where this has not been taken into account.
- When selecting Shroud and IP Washer material for use with glands, please be aware of the accessories temperature range to ensure they are suitable for the intended installation.
 - The gland is supplied with the correct amount of the two-part compound, gloves and instructions to allow one complete termination.
 - Where approval in addition to ATEX, IECEX and CSA is required, this must be clearly requested at time of enquiry / order.