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CROCKLOCK®: Type UL-C



Part of our UL Range
 2006 Catalogue Page 4.4.0

UL-C Type Explosion-proof glands featuring Croclock®, provide a compound seal preventing the passage of gas or vapours through the gland and the propagation of flame into the cable core. The glands are UL listed; suitable for Marine Shipboard Jacketed or non-Jacketed cable; NEMA 4X applications and are Deluge-Proof.

| | | | |
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| DESIGN STANDARD | UL2225 & UL514B | | |
| CERTIFICATION | | CLASS I, DIVISION 1 GAS GROUPS ABCD | |
| CERTIFICATE | File No. E248936 | | |
| GLAND MARKING | Example: UL-CBR 20 1/2 NPT PEPPERS GU15 3BT UK CL I DIV 1 ABCD -25+85°C 4X | | |
| LISTED APPLICATION | Class I, Division 1 ABCD Croclock® UL-C type glands will maintain the Explosion-Proof integrity of electrical equipment when used with suitable listed cable types. NEC 505: Class I, Zone 1, Gas Groups IIC, IIB, IIA. Croclock® UL-C type glands will maintain the Flameproof integrity of electrical equipment when used with suitable listed cable types. | | |
| INGRESS PROTECTION | NEMA 4X. Meets the requirements of DTS01 1991 and IP66 | | |
| CURING TIME | @21°C Conductor termination can be effected after 1 hour The equipment can be energised after 4 hours | | |
| MATERIALS | Brass CZ121 (UL-CB) Stainless Steel 316 (UL-CS) Inner LSOH compound Standard outer sheath seal is LSOH silicone, white Reduced bore outer sheath seal is LSOH silicone, red (UL-C*R) | | |
| OPTIONS | THREADS | ISO Metric; NPT; NPSM | |
| | PLATING | Zinc (ZP); Nickel (NP); Tin (TP); Electroless Nickel (EN) - All entry threads are nickel plated as standard | |
| OPERATING TEMPERATURES | -25°C to +85°C | | |

| | |
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| ACCESSORIES | Locknut - Brass (ACBLN); 316 Stainless Steel (ACSLN) Earth Tag - Brass (ACBET), 316 Stainless Steel (ACSET) IP Washer - Nylon (ACNSW); Red Fibre (ACFSW) Serrated Lock Washer - 316 Stainless Steel (ACSSW), Galvanised Steel (ACGSW) Shroud - PVC (ACSPVC) |
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|----------------------------|--|
| EXAMPLE PART NUMBER | Sample: UL-CBR / 20 / 050NPT UL-C - Gland type, armour type (SWA) and body material (Brass) UL-*B - Material (Brass) UL-***R - Reduced bore outer seal 20 - Fitting size = 20 050NPT - ½” NPT entry thread |
|----------------------------|--|

| Gland Size | Entry Threads | | Entry Thread Length [B] | Max Across Corners [A] | Max Protrusion Length | Gland Seal Range | | | | Armour Acceptance Range | Shroud Size | |
|------------|---------------|------------|----------------------------|---------------------------|-----------------------|------------------------|------------------------|-------|------------------|-------------------------|-------------|-------|
| | | | | | | Cable Inner Sheath [C] | Cable Outer Sheath [D] | | Max Inner Sheath | | | |
| | Metric | NPT | NPT | Standard | Reduced (R) | | Min | Max | | | | Min |
| 16 | M20 | ½” or ¾” | 0.783 | 1.102 | 2.835 | 0.461 | 0.362 | 0.531 | 0.264 | 0.406 | 0.006-0.049 | L24 |
| 20s | M20 | ½” or ¾” | 0.783 | 1.102 | 2.835 | 0.461 | 0.453 | 0.630 | 0.370 | 0.492 | 0.006-0.049 | L24 |
| 20 | M20 | ½” or ¾” | 0.783 | 1.299 | 2.874 | 0.551 | 0.610 | 0.831 | 0.563 | 0.693 | 0.006-0.049 | EL30 |
| 25 | M25 | ¾” or 1” | 0.795 | 1.630 | 3.268 | 0.787 | 0.799 | 1.079 | 0.689 | 0.941 | 0.006-0.063 | EL38 |
| 32 | M32 | 1” or 1¼” | 0.985 | 1.992 | 4.055 | 1.035 | 1.051 | 1.339 | 0.984 | 1.201 | 0.006-0.079 | EL46 |
| 40 | M40 | 1¼” or 1½” | 1.008 | 2.382 | 4.134 | 1.268 | 1.299 | 1.598 | 1.154 | 1.425 | 0.008-0.079 | EL55 |
| 50s | M50 | 2” | 1.059 | 2.815 | 4.528 | 1.504 | 1.551 | 1.839 | 1.499 | 1.669 | 0.008-0.098 | EL65 |
| 50 | M50 | 2” | 1.059 | 2.815 | 4.528 | 1.736 | 1.799 | 2.094 | 1.618 | 1.909 | 0.008-0.098 | EL65 |
| 63s | M63 | 2½” | 1.571 | | 4.528 | 1.972 | 2.051 | 2.343 | 1.846 | 2.157 | 0.012-0.098 | EL80 |
| 63 | M63 | 2½” | 1.571 | | 4.528 | 2.205 | 2.299 | 2.591 | 2.118 | 2.409 | 0.012-0.098 | EL80 |
| 75s | M75 | 3” | 1.634 | | 4.803 | 2.441 | 2.551 | 2.843 | 2.469 | 2.677 | 0.012-0.098 | EL104 |
| 75 | M75 | 3” | 1.634 | | 4.803 | 2.677 | 2.799 | 3.071 | 2.618 | 2.890 | 0.012-0.098 | EL104 |

All Dimensions are in inches

NOTES:

- Gland Size does not necessarily equate to the entry thread size
- Integral entry thread seal option is not available for glands with tapered entry threads. IP washers can be supplied if required
- Please note that dimensions (A) and (B) may differ for glands with parallel entry threads. Please refer to our thread data tables for specific dimensions
- Unless otherwise stated ISO Metric entry threads have a 1.5mm pitch
- Full assembly instructions are supplied with glands, the instructions must be read prior to installation and adhered to in full
- For Class I Group A locations, the joint made by fitting the gland to the enclosure female thread must comply with standard UL 886 clause 6.1 as follows:-
 - NPT threads must have at least five threads fully engaged
 - Metric and NPS threads must have at least eight threads fully engaged

