BTC VFD Cable Gland
TC Globally Approved, Hazardous (Classified) Location Cable Gland

SALES SHEET
Americas Hazardous Location Cable Glands for VFD Cable

- Increased cable range with removable insert
- Pass-through design for shield/ground isolation
- -60˚C to +110˚C (-76˚F to +230˚F)
- Suitable for shielded or unshielded cables
- Heavy duty design
- Globally marked, cCSAus, IECEx and ATEX
- Entry thread seal as standard
- Aluminum design

Technical Classification

Design specification: BS 6221 Part 11989, IEC 62444, EN 62444
Mechanical classification*: impact = level 8, cable anchorage = class d
Enclosure protection: IK10 to IEC 62262 (20 joules) Brass & Stainless Steel only
Ingress protection rating**: IP66, IP67 & IP68***
Nema rating**: NEMA 4X

Cable gland material: Copper Free (<0.4%) Aluminum
Cable type: Tray Cable & Cords, Unarmored / Braid (IEC)s
Sealing technique: Displacement Seal with Removable Insert
Sealing area(s): Cable Outer Jacket

* Mechanical and Electrical Classifications applied as per IEC 62444 & EN 62444.
*** IP68 tested to a minimum depth of 30 metres for 12 hours, alternative depths / durations can be provided upon request

Global Product Certification

ATEX CERTIFICATE OML8ATEX1334X
CODE OF PROTECTION "II 2G IIC, Ex ic IIC, Gb, Ex za IIC Gb, Ex ta IIIIC Da" CAN/CSA-C22.2 No. 0-M91, 18.3-04, 174-M1984, 94-M91, CAN/CSA-E60079-0, 7, CAN/CSA-E61241-1-1, ANSI/UL 514B, ANSI/UL 50, ANSI/UL 60079-0, 7
ECAS CERTIFICATE 20-02-05627
ECAS CODE OF PROTECTION Class II, Div. 2, Groups E,F, and G; Class III, Div. 2; Encl. Type 4X; Ex e; Class I, Zone 1, AEx e
COMPLIANCE STANDARDS EN 60079-0,1,7, 31
cCSAus CERTIFICATE 2220601
cCSAus CODE OF PROTECTION Class II, Div. 2, Groups E,F, and G; Class III, Div. 2; Encl. Type 4X; Ex e; Class I, Zone 1, AEx e

Order code example: TC-050A028 - “TC” (Type Gland) - “050” (½” NPT Thread) - ‘A’ (Material Aluminum) - “028”(Max Cable Diameter 0.28”) Dimensions are displayed in inches unless otherwise stated

PART Number | ENTRY THREAD NPT | MIN THREAD LENGTH | Cable Range | No Insert | Across Flats | Across Corners | Length | Weight |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
BTC075A0551RA | 3/4" | 0.80" | 0.26" | 0.41" | 0.41" | 0.55" | 1.48" | 1.69 |
BTC075A0791RA | 3/4" | 0.80" | 0.44" | 0.61" | 0.61" | 0.79" | 1.81" | 2.05 |
BTC100A0791RA | 1" | 0.98" | 0.44" | 0.61" | 0.61" | 0.79" | 2.05" | 2.36 |
BTC100A1041RA | 1" | 0.98" | 0.67" | 0.85" | 0.85" | 1.04" | 2.36" | 3.17 |
BTC125A1041RA | 1 1/4" | 1.10" | 0.95" | 1.1" | 1.1" | 1.27" | 2.60" | 3.88 |
BTC125A1271RA | 1 1/4" | 1.10" | 0.95" | 1.1" | 1.1" | 1.27" | 2.60" | 4.94 |
BTC150A1501RA | 1 1/2" | 1.30" | 1.20" | 1.37" | 1.37" | 1.5" | 2.80" | 6.00 |
BTC200A1741RA | 2" | 1.06" | 1.20" | 1.40" | 1.40" | 1.74" | 3.03" | 8.64 |
BTC200A1971RA | 2" | 1.06" | 1.40" | 1.63" | 1.63" | 1.97" | 3.03" | 8.29 |
BTC250A2201RA | 2 1/2" | 1.57" | - | - | - | - | - | 13.58 |
BTC300A2201RA | 3" | 1.63" | - | - | - | - | - | 13.58 |
BTC300A2681RA | 3" | 1.63" | - | - | - | - | - | 23.63 |

Dimensions are displayed in inches unless otherwise stated

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