# KVT
## Split Cable Glands

**cULus** | **IP54** | **NEMA** | **GL** | EN 45545-2 * | NF F 16-101 * | **RoHS** compliant | Made in Germany

## Product Description

KVT is a circular split frame for quick and easy installation and sealing of cables or complete cable harnesses.

Polyamide locknuts are included in the shipment.

For routing D-Sub, DVI or PROFIBUS connectors in combination with the split cable glands KVT, special locknuts with cut-outs are required.
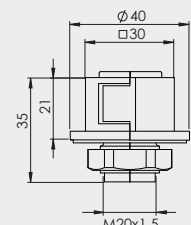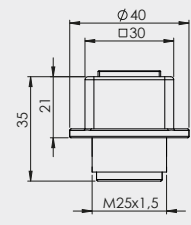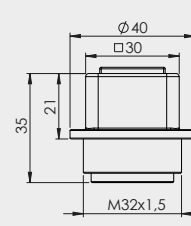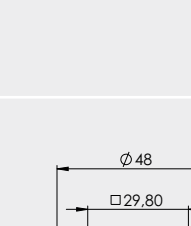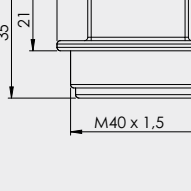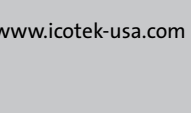
## Locknuts

Locknuts with special cut-outs are available separately. The cut-out dimensions are listed on page 144.

**KGM-SUB-D9** fits D-Sub 9 connectors
(Required wall cut-out: ∅ 36 mm, PU: 10)
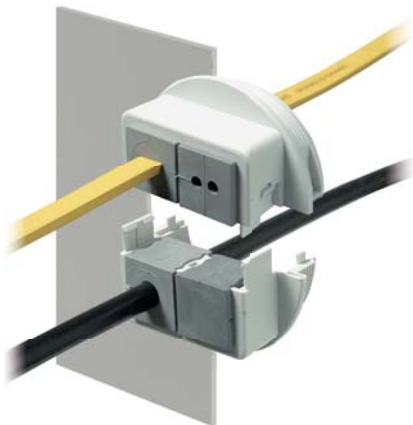☐ **Order No. 45105**  ■ **Order No. 45106**

**KGM-PB** fits DVI and PROFIBUS connectors
(Required wall cut-out: ∅ 42 mm, PU: 10)
☐ **Order No. 45107**  ■ **Order No. 45109**

**KGM-SUB-D25** fits SUB-D25 connectors
(Required wall cut-out: ∅ 50 mm, PU:10)
☐ **Order No. 45108**  ■ **Order No. 45110**

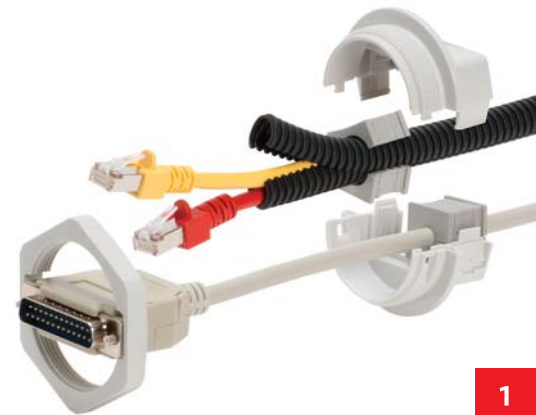| Description | Type | Order No. | Inserts KT small \| large | Thread Thread length | PU |
|---|---|---|---|---|---|
| | KVT 20** | ☐ 45034 ■ 45024 | 1\|- | M20 × 1.5 Length: 14 mm | 10 |
| | KVT 25*** | ☐ 45035 ■ 45025 | 1\|- | M25 × 1.5 Length: 14 mm | 10 |
| | KVT 32 | ☐ 45036 ■ 45026 | 1\|- | M32 × 1.5 Length: 14 mm | 10 |
| | KVT 32 + KGM-SUB-D9 | ☐ 45037 ■ 45027 | 1\|- | M32 × 1.5 Length: 14 mm | 10 |
| | KVT 40 | ☐ 45203 ■ 45028 | 1\|- | M40 × 1.5 Length: 14 mm | 10 |
| | KVT 40 + KGM-PB | ☐ 45205 ■ 45029 | 1\|- | M40 × 1.5 Length: 14 mm | 10 |

\* Only valid for gray product types
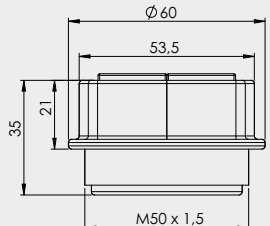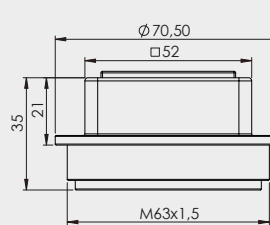\*\* Max. cable diameter of 11 mm | \*\*\* Max. cable diameter of 15 mm

| cULus | IP54 | NEMA | GL | EN 45545-2 * | NF F 16-101 * | RoHS compliant | Made in Germany |

# KVT
## Split Cable Glands

## Advantages

- Insertion of pre-terminated cables
- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- High packing density, wide variety of inserts
- Suitable for standard or metric cut-outs
- Polyamide locknuts are included in the shipment

## Specifications

| | |
|---|---|
| Material | Polycarbonate (PC) |
| Color | ☐ gray (similar RAL 7035) |
| | ■ black |
| Flame class | UL94-V0, self-extinguishing |
| Protection class | IP54, with gasket and correct selection of the cable inserts (certified according to DIN EN 60529:2000-09) |
| Temperature | - 30°C to + 100°C (static) |
| Properties | Halogen free, silicone free |
| Cut-out dimension | Metric standard sizes |

## Accessories

| | |
|---|---|
| KT Cable inserts | Page 30 - 34 |
| KVT-EMC Brackets | Page 111 |
| Locknuts | Page 144 |

| Type | Order No. | Inserts KT small \| large | Thread Thread length | PU | Description |
|---|---|---|---|---|---|
| KVT 50\|2 | ☐ 45204 ■ 45030 | 2\|- | M50 × 1.5 Length: 14 mm | 5 | ⌀ 60 / 53,5 / 35 / 21 / M50 x 1,5 |
| KVT 50\|2 + KGM-SUB-D25 | ☐ 45206 ■ 45031 | 2\|- | M50 × 1.5 Length: 14 mm | 5 | |
| KVT 63\|1 + GM 63 ** | ☐ 45211 ■ 45111 | -\|1 | M63 × 1.5 Length: 14 mm | 5 | ⌀ 70,50 / □52 / 3.5 / 21 / M63x1,5 |
| KVT 63\|4 + GM 63 ** | ☐ 45214 ■ 45114 | 4\|- | M63 × 1.5 Length: 14 mm | 5 | |

\* Only valid for gray product types
\** Locknut GM 63 (nickel plated brass) is included in delivery

# KVT 80

## Split Cable Glands
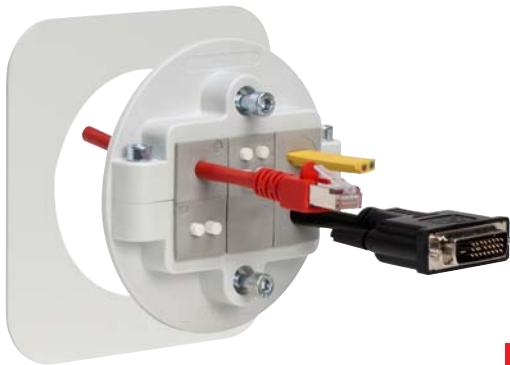
## Product Description

The KVT 80 split cable glands are designed for routing and sealing pre-terminated cables.

By connecting the two half shells via attached screws, the inserts provide sufficient pressure on the routed cables to obtain a high degree of strain relief. The KVT 80 can be fitted to a wall thickness from 1.5 mm to 10 mm.

## Advantages

- Insertion of pre-terminated cables
- Warranty on pre-terminated cables remains
- Retrofitting and maintenance can be carried out easily and quickly
- High packing density, wide variety of inserts
- Quick and easy assembly from the front side
- Strain relief according to EN 50262

## Notes

When mounting the KVT 80 on sheet metal, we recommend the following torque values:
- 1.5 mm sheet = 1 Nm
- From 2 mm sheet = 1.5 Nm

## Specifications

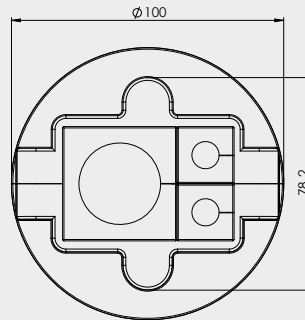| | |
|---|---|
| Material | **Polycarbonate (PC)** **Screws: Stainless steel** |
| Color | ▢ **gray (similar RAL 7035)** ■ **black** |
| Flame class | **UL94-V0, self-extinguishing** |
| Protection class | **IP54, with gasket and correct selection of the cable inserts** |
| Temperature | **- 30°C to + 100°C (static)** |
| Properties | **Halogen free, silicone free** |
| Cut-out dimension | **80 mm in diameter** |

## Accessories

KT Cable inserts    Page 30 - 34

| Description | Type | Order No. | Inserts KT small \| large | PU |
|---|---|---|---|---|
| | **KVT 80\|3** | ▢ **45236** ■ **45239** | **2\|1** | **1** |
| | **KVT 80\|6** | ▢ **45237** ■ **45238** | **6\|-** | **1** |
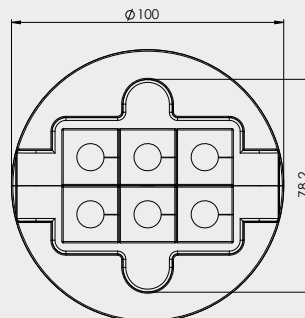
*Only valid for gray product types