

PRODUCT CATALOG 2026

Explosion-Proof Cable Glands — Ex d

Flameproof Series for Zone 1 & Zone 2

CE · ATEX · IECEx · CCC Certified

Brass · Stainless 304/316/316L



EX-MARK Ex db IIC Gb / Ex eb IIC Gb

IP RATING IP66 / IP68 (10m, 8h)

TEMP RANGE -60°C to +130°C



Xiamen · Fujian · China | younglytech.com

ABOUT US

Flameproof Cable Termination

Youngly Tech YT-Exd cable glands are designed for direct entry into Ex d enclosures in hazardous areas. Tested to 30 bar hydrostatic pressure and 20x cable diameter tensile load.

Pressure Tested

Every gland hydrostatic-tested to 30 bar and tensile-tested to 100% load at 20x cable diameter. Batch reports on request.

Standards Compliance

IEC 60079-0/1/7/15/31, EN 60079 series, GB/T 3836. ATEX, IECEx, CCC certified.

Global Logistics

Stock in Xiamen. EXW, FOB, CIF, DAP. 7-15 day lead for standard SKUs. Custom on request.

CERTIFIED TO

CE

ATEX

IECEx

ISO 9001

CCC

EN 60079

GB/T 3836

PRODUCT OVERVIEW

Four Series. One Tough Standard.

Non-armored to armored, single to double seal. All rated to 30 bar.

“The cable gland survives 30 bar of hydrostatic pressure and 20x cable diameter of tensile load. Out of the box.”

— Youngly Tech Quality Lab, batch QC report sample

YT-Exd-SS

Single Seal

Non-armored / braided cable. Inner + outer seal on single body. Most cost-effective for general purpose.

THREAD	M16–M100, NPT 1/2"–4"
PROTECTION	IP66/IP68 · -60 to +130°C
EX-MARK	Ex db IIC Gb

YT-Exd-DS

Double Seal

Inner + outer independent seal chambers. For added ingress protection. Cold-flow resistant.

THREAD	M16–M100, NPT 1/2"–4"
PROTECTION	IP66/IP68 · -60 to +130°C
EX-MARK	Ex db IIC Gb

YT-Exd-SST

Single Seal + Tube

Single seal with integrated flexible conduit interface. Eliminates need for separate Ex d union.

THREAD	M16–M100, NPT 1/2"–4"
PROTECTION	IP66/IP68 · -60 to +130°C
EX-MARK	Ex db IIC Gb

YT-Exd-SSFT

Single Seal Barrier

Compound-filled barrier. Re-enterable option. For lead-sheathed and special cables.

THREAD	M16–M100, NPT 1/2"–4"
PROTECTION	IP66/IP68 · -60 to +130°C
EX-MARK	Ex db IIC Gb

IP68, M12–M63 threads. OEM/ODM with your logo, custom packaging, and batch traceability. MOQ 100 pcs.

SPECIFICATION MATRIX — YT-Exd SERIES

Non-Armored + Armored, All Configurations

Series	Type	Cable Type	Thread	Seal	IP	Cert
YT-Exd-SS	Single Seal	Non-armored / Braided	M16–M100	Single	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-DS	Double Seal	Non-armored / Braided	M16–M100	Double	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-SST	Single + Tube	With flex conduit	M16–M100	Single	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-SSFT	Single Barrier	Compound-filled	M16–M100	Barrier	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-DSA	Double Seal Armored	Armored (SWA/STA)	M16–M100	Double	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-DSAC	DS Armored + Lock	Armored + strain relief	M16–M100	Double	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-SSFA	SS Armored + Tube	Armored + flex conduit	M16–M100	Single	IP66/IP68	CE/ATEX/IECEX/CCC
YT-Exd-SFAC	SS Armored + Lock+Tube	Armored, SR + flex	M16–M100	Single	IP66/IP68	CE/ATEX/IECEX/CCC

Common to all: Material = Nickel-plated brass or SS 304/316/316L · Ex-Mark = Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIIC Db
 Operating temp -60°C to +130°C · Test temp -65°C to +150°C · CE marked

TESTED BEYOND STANDARD

Every Gland, Every Batch

01

Hydrostatic Test

30 bar

Each unit pressure-tested to 30 bar at production. Batch certificates available.

02

Tensile Test

20x

Cable retention at 20x cable diameter at 100% tension load. No slip.

03

Temp Cycling

-65 to +150°C

Operating -60C to +130C. Test range -65C to +150C. Cold-flow resistance built-in.

04

Anti-Fool Design

Foolproof

Unified wrench position across the range. Prevents cross-thread and seal damage.

Ex-Mark Reference

GAS — FLAMEPROOF

Ex db IIC Gb

GAS — INCREASED SAFETY

Ex eb IIC Gb

GAS — RESTRICTED

Ex nR IIC Gc

DUST — BY ENCLOSURE

Ex ta IIIC Da

MINES GROUP I

Ex db I Mb / Ex eb I Mb

Compliant to IEC 60079-0/1/7/15/31, EN 60079, GB/T 383

REFERENCE

Thread Sizes & Cable Range (YT-Exd-DS)

Double Seal series reference. Same ranges apply to SS / SST / SSFT.

Metric (ISO) — YT-Exd-DS-M

THREAD	CABLE OD (mm)
M16 x 1.5	3.0 - 8.0
M20 x 1.5	7.5 - 12.0 / 8.7 - 14.0
M25 x 1.5	9.0 - 15.0 / 13.0 - 20.0
M32 x 1.5	19.0 - 26.5
M40 x 1.5	25.0 - 32.5
M50 x 1.5	31.0 - 38.0 / 36.0 - 44.0
M63 x 1.5	41.5 - 50.0 / 48.0 - 55.0
M75 x 1.5	54.0 - 62.0 / 61.0 - 68.0
M80 x 2.0	67.0 - 73.0
M90 x 2.0	66.6 - 80.0
M100 x 2.0	76.0 - 89.0

NPT — YT-Exd-DS-N

THREAD	CABLE OD (mm)
NPT 1/2"	3.0 - 8.0 / 7.5 - 12.0
NPT 3/4"	7.5 - 12.0 / 8.7 - 14.0 / 9.0 - 15.0 / 13.0 - 20.0
NPT 1"	9.0 - 15.0 / 13.0 - 20.0 / 19.0 - 26.5
NPT 1 1/4"	19.0 - 26.5 / 25.0 - 32.5
NPT 1 1/2"	25.0 - 32.5 / 31.0 - 38.0
NPT 2"	35.6 - 44.0
NPT 2 1/2"	41.5 - 50.0 / 48.0 - 55.0 / 54.0 - 62.0
NPT 3"	61.0 - 68.0 / 67.0 - 73.0
NPT 3 1/2"	67.0 - 73.0 / 66.6 - 80.0
NPT 4"	76.0 - 89.0

APPLICATIONS

Where YT-Exd Glands Are Installed

Direct entry into Ex d enclosures. Zone 1, Zone 2, Zone 21, Zone 22.

OIL & GAS

Upstream, midstream, downstream. Offshore platforms, FPSOs, refineries, LNG terminals. SS 316L for salt-spray zones.

PETROCHEMICAL

Ethylene crackers, ammonia plants, polymer facilities. Sour service (H₂S, NACE MR0175).

PHARMACEUTICAL

API manufacturing. Compound-filled SSFT for hygienic zones requiring re-enterable seals.

FOOD & GRAIN

Flour mills, sugar processing, animal feed. ATEX Zone 21/22 dust. SS 316L hygienic.

MARINE & OFFSHORE

Engine rooms, deck lighting, pump rooms. DNV-GL ship class. 30 bar hydrostatic tested.

MINING

Coal processing, conveyor drives, ventilation fans. Group I M2 Mb levels available.

GET IN TOUCH

Request a Quote. Talk to Engineering.

Same-day quotation on standard SKUs. Sample kits available for evaluation.
Custom threads, OEM branding, and pre-terminated assemblies on request.

EXPORT SALES — JAMES

EMAIL

james@younglytech.com

WHATSAPP

+86 157 9266 5908

RESPONSE

Within 4 working hours

MOQ

100 pcs OEM · No MOQ on stock SKUs

LEAD TIME

7–15 days (stock) / 30 days (custom / OEM)

INCOTERMS

EXW / FOB Xiamen / CIF / DAP

PAYMENT

T/T 30/70 · L/C at sight · OA for partners

Need Samples?

Order 1-2 pcs
of any standard
gland for eval.

We pay shipping
on 5+ pc orders.

WHAT TO INCLUDE IN YOUR RFQ

Ex-mark (Ex d / Ex db) · Zone (1, 2, 21, 22) · Gas group (IIA / IIB / IIC)

Thread type + size · Cable OD range · Armored or non-armored · Quantity + destination · OEM/ODM? Y/N