

TSPVO UL94 V-0 APPROVED, INDUSTRIAL CABLE GLAND WITH NPT ENTRY THREADS

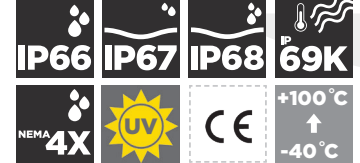
FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED CABLES

For use in the construction of public buildings including tower blocks, airports, hospitals, stadia, and for essential services including, fire safety systems, rail infrastructure, tunnels and ventilation systems, where halogen-free cables are required.

- Halogen and phosphorus-free
- Extremely flame retardant and self-extinguishing according to UL94 V-0
- Incorporates CMP's trusted SOLO technology
- 3rd party certified to IEC 62444
- Finger-locking seal provides superior cable retention and strain relief
- Low weight with high stiffness and strength
- Widest cable range take for any comparable cable gland
- Available in a variety of colours (see table below)
- Approved entry thread sealing washer included
- Polyamide locknut available (ordering suffix 2TN) - delivered assembled

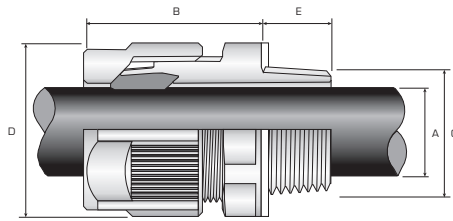


shown in grey ral7035 with dual seal



Product tested to IEC 60529, equivalent NEMA ratings shown for comparison purposes.

COLOUR	SUFFIX	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	12TSPVO1TAT
GREY - RAL7035	1	12TSPVO1TAT1
GREY - RAL7001	2	12TSPVO1TAT2
WHITE	3	12TSPVO1TAT3
RED - RAL3000	5	12TSPVO1TAT5



TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444
IEC 62444 CERTIFICATE	CML 20CA12915
MECHANICAL CLASSIFICATION*	High impact resistance, contact CMP
ENCLOSURE PROTECTION	High impact resistance, contact CMP
INGRESS PROTECTION RATING**	IP66, IP67, IP68***, IP69 and IP69K
FLAME RETARDANCY	Glow Wire Test - IEC/EN 60695-2: 960°C Flammability Test - IEC/EN 60695-11-10 / UL94: V-0
CABLE GLAND MATERIAL	UL94 V-0 Halogen and phosphorus-free flame retardant polyamide
SEAL MATERIAL	CMP SOLO LSF Halogen-free Thermoset Elastomer
CABLE TYPE	Unarmoured and Braided (when braid is terminated inside enclosure)
SEALING TECHNIQUE	CMP Unique finger-locking type seal
SEALING AREA(S)	Cable Outer Sheath

* Mechanical Classifications applied as per IEC 62444

** Contact CMP for further information on ingress protection ratings

*** IP68 tested to 300 kPa for 16 hours (equivalent to 30 metres water depth)

PRODUCT SELECTION TABLE WITH DUAL SEALING RANGE

DUAL SEAL		ENTRY THREADS 'C'		OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	NPT	THREAD LENGTH 'E'	MIN	MAX	MAX	MAX	
16DTSPVO1TAT	16DTSPVO2TNT	3/8"	0.43	0.12	0.39	0.75	0.82	1.06
20DTSPVO1TAT	20DTSPVO2TNT	1/2"	0.55	0.20	0.55	0.95	1.03	1.20
25DTSPVO1TAT	25DTSPVO2TNT	3/4"	0.59	0.35	0.71	1.18	1.29	1.42
32DTSPVO1TAT	32DTSPVO2TNT	1"	0.71	0.49	0.98	1.58	1.72	1.61
40DTSPVO1TAT	40DTSPVO2TNT	1 1/4"	0.71	0.75	1.26	1.97	2.15	1.93
50DTSPVO1TAT	50DTSPVO2TNT	1 1/2"	0.75	0.87	1.50	2.28	2.49	2.32
63DTSPVO1TAT	63DTSPVO2TNT	2"	0.79	1.10	1.89	2.68	2.92	2.52

PRODUCT SELECTION TABLE WITH STANDARD SEALING RANGE

STANDARD SEAL		ENTRY THREADS 'C'		OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	NPT	THREAD LENGTH 'E'	MIN	MAX	MAX	MAX	
12TSPVO1TAT	12TSPVO2TNT	1/4"	0.43	0.12	0.25	0.59	0.65	1.06
16TSPVO1TAT	16TSPVO2TNT	3/8"	0.43	0.12	0.27	0.75	0.82	1.06
16TSPVO1TAT	16TSPVO2TNT	3/8"	0.43	0.24	0.39	0.75	0.82	1.06
20TSPVO1TAT	20TSPVO2TNT	1/2"	0.55	0.20	0.39	0.95	1.03	1.20
20TSPVO1TAT	20TSPVO2TNT	1/2"	0.55	0.35	0.55	0.95	1.03	1.20
25TSPVO1TAT	25TSPVO2TNT	3/4"	0.59	0.35	0.61	1.18	1.29	1.42
25TSPVO1TAT	25TSPVO2TNT	3/4"	0.59	0.49	0.71	1.18	1.29	1.42
32TSPVO1TAT	32TSPVO2TNT	1"	0.71	0.49	0.75	1.58	1.72	1.61
32TSPVO1TAT	32TSPVO2TNT	1"	0.71	0.67	0.98	1.58	1.72	1.61
40TSPVO1TAT	40TSPVO2TNT	1 1/4"	0.71	0.75	1.06	1.97	2.15	1.93
40TSPVO1TAT	40TSPVO2TNT	1 1/4"	0.71	0.95	1.26	1.97	2.15	1.93
50TSPVO1TAT	50TSPVO2TNT	1 1/2"	0.75	0.87	1.26	2.28	2.49	2.32
50TSPVO1TAT	50TSPVO2TNT	1 1/2"	0.75	1.10	1.50	2.28	2.49	2.32
63TSPVO1TAT	63TSPVO2TNT	2"	0.79	1.10	1.54	2.68	2.92	2.52
63TSPVO1TAT	63TSPVO2TNT	2"	0.79	1.46	1.89	2.68	2.92	2.52

Dimensions are displayed in inches unless otherwise stated.
Note - All NPT TruSeal cable glands are supplied with nickel-plated brass locknuts (if required).