

**TSPVO UL94 V-0 APPROVED,  
INDUSTRIAL CABLE GLAND**

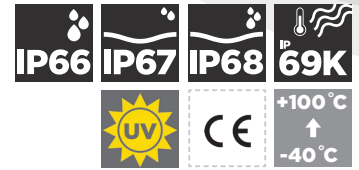
## FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED CABLES

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.

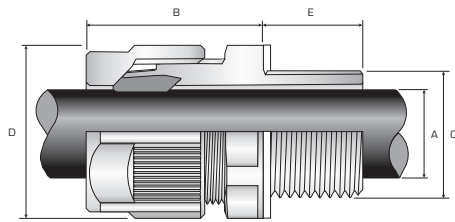
- Halogen and phosphorus-free
- Extremely flame retardant and self-extinguishing according to UL94 V-0
- Incorporates CMP's trusted SOLO technology
- 3<sup>rd</sup> party certified to IEC/EN 62444
- Finger-locking seal provides superior cable retention and strain relief
- Low weight with high stiffness 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



COLOUR	SUFFIX	METRIC ORDERING EXAMPLE	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	12TSPVO1TA	12TSPVO1TAT
GREY - RAL7035	1	12TSPVO1TA1	12TSPVO1TAT1
GREY - RAL7001	2	12TSPVO1TA2	12TSPVO1TAT2
WHITE	3	12TSPVO1TA3	12TSPVO1TAT3
RED - RAL3000	5	12TSPVO1TA5	12TSPVO1TAT5



TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
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 - EN/IEC 60695-2: 960°C Flammability Test - EN/IEC 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/EN 62444  
\*\* IP68 tested to 300 kPa for 16 hours (equivalent to 30 metres water depth)

## PRODUCT SELECTION TABLE WITH DUAL SEALING RANGE

DUAL SEAL		AVAILABLE ENTRY THREADS 'C'					OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	STANDARD		OPTION			MIN	MAX	MAX	MAX	
		METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT*	THREAD LENGTH (NPT) 'E'					
16DTSPVO1TA	16DTSPV02TN	M16	9.0	15.0	3/8"	11.0	3.0	10.0	19.0	20.9	27.0
20DTSPVO1TA	20DTSPV02TN	M20	10.0	15.0	1/2"	14.0	5.0	14.0	24.0	26.2	30.5
25DTSPVO1TA	25DTSPV02TN	M25	10.0	15.0	3/4"	15.0	9.0	18.0	30.0	32.7	36.0
32DTSPVO1TA	32DTSPV02TN	M32	12.0	15.0	1"	18.0	12.5	24.8	40.0	43.6	41.0
40DTSPVO1TA	40DTSPV02TN	M40	12.0	18.0	1 1/4"	18.0	19.0	32.0	50.0	54.5	49.0
50DTSPVO1TA	50DTSPV02TN*	M50	12.0	18.0	1 1/2"	19.0	22.0	38.0	58.0	63.2	59.0
63DTSPVO1TA	63DTSPV02TN*	M63	15.0	18.0	2"	20.0	28.0	48.0	68.0	74.1	64.0

## PRODUCT SELECTION TABLE WITH STANDARD SEALING RANGE

STANDARD SEAL		AVAILABLE ENTRY THREADS 'C'					OVERALL CABLE DIAMETER 'A'		ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	STANDARD		OPTION			MIN	MAX	MAX	MAX	
		METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT*	THREAD LENGTH (NPT) 'E'					
12TSPVO1TA	12TSPV02TN	M12	9.0	15.0	1/4"	11.0	3.0	6.5	15.0	16.4	27.0
16STSPVO1TA	16STSPV02TN	M16	9.0	15.0	3/8"	11.0	3.0	7.0	19.0	20.9	27.0
16TSPVO1TA	16TSPV02TN	M16	9.0	15.0	3/8"	11.0	6.0	10.0	19.0	20.9	27.0
20STSPVO1TA	20STSPV02TN	M20	10.0	15.0	1/2"	14.0	5.0	10.0	24.0	26.2	30.5
20TSPVO1TA	20TSPV02TN	M20	10.0	15.0	1/2"	14.0	9.0	14.0	24.0	26.2	30.5
25STSPVO1TA	25STSPV02TN	M25	10.0	15.0	3/4"	15.0	9.0	15.5	30.0	32.7	36.0
25TSPVO1TA	25TSPV02TN	M25	10.0	15.0	3/4"	15.0	12.5	18.0	30.0	32.7	36.0
32STSPVO1TA	32STSPV02TN	M32	12.0	15.0	1"	18.0	12.5	19.0	40.0	43.6	41.0
32TSPVO1TA	32TSPV02TN	M32	12.0	15.0	1"	18.0	17.0	24.8	40.0	43.6	41.0
40STSPVO1TA	40STSPV02TN	M40	12.0	18.0	1 1/4"	18.0	19.0	27.0	50.0	54.5	49.0
40TSPVO1TA	40TSPV02TN	M40	12.0	18.0	1 1/4"	18.0	24.0	32.0	50.0	54.5	49.0
50STSPVO1TA	50STSPV02TN*	M50	12.0	18.0	1 1/2"	19.0	22.0	32.0	58.0	63.2	59.0
50TSPVO1TA	50TSPV02TN*	M50	12.0	18.0	1 1/2"	19.0	28.0	38.0	58.0	63.2	59.0
63STSPVO1TA	63STSPV02TN*	M63	15.0	18.0	2"	20.0	28.0	39.0	68.0	74.1	64.0
63TSPVO1TA	63TSPV02TN*	M63	15.0	18.0	2"	20.0	37.0	48.0	68.0	74.1	64.0

For NPT threads add a 'T' to the suffix e.g. 16DTSPVO1TAT (3/8" NPT, black), 40DTSPVO1TAT1 (1 1/4" NPT, grey (silver))  
For long metric threads add an 'L' to the suffix e.g. 16DTSPVO1TAL (M16, black with 15mm length of entry thread)  
\*Locknut notes: Metric sizes 50 & 63 supplied only with nickel plated brass locknut (if cable gland with locknut option is ordered)  
Polyamide locknuts are not available for V0 NPT products. These products are supplied only with nickel plated brass locknut (if cable gland with locknut option is ordered)  
Dimensions are displayed in millimetres unless otherwise stated

Dimensions listed are for metric cable glands only. Dimensions for alternative threads may vary.