

TRUSEAL TSP POLYMER, INDUSTRIAL CABLE GLAND

FOR ALL TYPES OF UNARMoured & BRAIDED / SCREENED FLAT CABLES

- Halogen and phosphorus-free
- Unique strain relief sealing system
- Third party certified to IEC/EN 62444
- Flame retardant UL94 V-0 version available
- Low weight with high stiffness and strength
- Widest cable range take for any comparable cable gland
- Available in a variety of colours (black as standard, see table below)
- Anti-vibration technology prevents seal loosening in operation
- Transit disc or IP68, IP69 and IP69K rated IP plug options available
- Approved entry thread sealing washer included
- Polyamide locknut available (ordering suffix 2TN) - delivered assembled



shown in black, M20, FF3



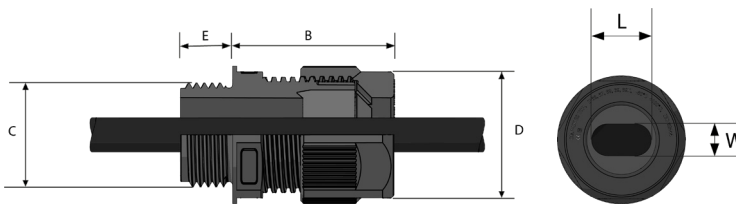
COLOUR	SUFFIX	METRIC ORDERING EXAMPLE	NPT ORDERING EXAMPLE
BLACK - RAL9011	-	16FF2TSPITA	16FF2TSPITAT
GREY - RAL7035	1	16FF2TSPITA1	16FF2TSPITA1T
GREY - RAL7001	2	16FF2TSPITA2	16FF2TSPITA2T
WHITE	3	16FF2TSPITA3	16FF2TSPITA3T
BLUE - RAL5015	4	16FF2TSPITA4	16FF2TSPITA4T
RED - RAL3000	5	16FF2TSPITA5	16FF2TSPITA5T

TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
IEC 62444 CERTIFICATE	CML 20CA12915
MECHANICAL CLASSIFICATION*	16 Impact = Level 5, 20-63 Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	16 IK07 to IEC 62262 (4 joules) 20-63 IK08 to IEC 62262 (7 joules)
INGRESS PROTECTION RATING**	IP66, IP67, IP68***, IP69 and IP69K
CABLE GLAND MATERIAL	Halogen-free 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 strain relief sealing system
SEALING AREA(S)	Cable Outer Sheath

* Mechanical classifications applied as per IEC/EN 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 PLATFORM SEALING RANGE

PLATFORM		AVAILABLE ENTRY THREADS 'C'					NO. OF HOLES	OVERALL CABLE DIAMETER				ACROSS FLATS 'D'	ACROSS CORNERS 'D'	PROTRUSION LENGTH 'B'	WEIGHT GLAND ONLY † (KG)
		STANDARD		OPTION (See part number note under table)				HOLE LENGTH 'L'		HOLE WIDTH 'W'					
CABLE GLAND ONLY	CABLE GLAND WITH LOCKNUT	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'									
16FF1TSP1TA	16FF1TSP2TN	M16	9.0	15.0	3/8"	11.0	1	7.0	8.2	4.0	5.0	19.0	20.9	27.0	0.009
16FF2TSP1TA	16FF2TSP2TN	M16	9.0	15.0	3/8"	11.0	1	8.0	10.0	4.0	6.0	19.0	20.9	27.0	0.009
20FF1TSP1TA	20FF1TSP2TN	M20	10.0	15.0	1/2"	14.0	1	7.0	8.2	4.0	5.0	24.0	26.2	30.5	0.014
20FF2TSP1TA	20FF2TSP2TN	M20	10.0	15.0	1/2"	14.0	1	8.0	10.3	4.0	6.0	24.0	26.2	30.5	0.014
20FF3TSP1TA	20FF3TSP2TN	M20	10.0	15.0	1/2"	14.0	1	10.0	11.9	4.0	6.2	24.0	26.2	30.5	0.014
20FF4TSP1TA	20FF4TSP2TN	M20	10.0	15.0	1/2"	14.0	1	11.0	13.5	4.0	7.0	24.0	26.2	30.5	0.014
25FF1TSP1TA	25FF1TSP2TN	M25	10.0	15.0	3/4"	15.0	1	9.0	11.3	7.0	8.3	30.0	32.7	36.0	0.026
25FF2TSP1TA	25FF2TSP2TN	M25	10.0	15.0	3/4"	15.0	2	8.0	10.3	4.0	6.0	30.0	32.7	36.0	0.027
25FF3TSP1TA	25FF3TSP2TN	M25	10.0	15.0	3/4"	15.0	1	9.4	12.4	4.7	6.5	30.0	32.7	36.0	0.027
25FF4TSP1TA	25FF4TSP2TN	M25	10.0	15.0	3/4"	15.0	1	9.7	12.4	7.0	8.8	30.0	32.7	36.0	0.027
25FF5TSP1TA	25FF5TSP2TN	M25	10.0	15.0	3/4"	15.0	1	10.2	13.2	3.4	5.2	30.0	32.7	36.0	0.027
25FF6TSP1TA	25FF6TSP2TN	M25	10.0	15.0	3/4"	15.0	1	10.8	13.8	5.4	7.2	30.0	32.7	36.0	0.027
25FF7TSP1TA	25FF7TSP2TN	M25	10.0	15.0	3/4"	15.0	1	12.0	15.0	3.2	5.0	30.0	32.7	36.0	0.026
25FF8TSP1TA	25FF8TSP2TN	M25	10.0	15.0	3/4"	15.0	1	12.9	15.9	5.9	7.7	30.0	32.7	36.0	0.028
32FF1TSP1TA	32FF1TSP2TN	M32	12.0	15.0	1"	18.0	1	7.0	10.0	2.2	4.0	40.0	43.6	41.0	0.054
40FF1TSP1TA	40FF1TSP2TN	M40	12.0	18.0	1-1/4"	18.0	1	14.0	17.1	5.0	10.0	50.0	54.5	49.0	0.098

Part numbers in table are for standard metric entry threads. Please see page 2 for alternative part number builder & seal table.

† Weight displayed for standard metric entry thread only

For MOQ please contact CMP directly.

Dimensions displayed in mm unless otherwise specified

HOW TO ORDER

Size	Seal Type		Gland Type		Accessory Reference		Material		Colour			Thread Option		
12	FF	PLATFORM followed by seal reference See table below for seal reference	TSP	POLYMER INDUSTRIAL	1TA	STANDARD	-	NYLON	-	BLACK RAL9011		-	METRIC SHORT	
16					2TN	LOCKNUT (TN)			1	GREY (LIGHT) RAL7035		L	METRIC LONG	
20					1TD	TRANSIT DISC			2	GREY (MID) RAL7001		T	NPT	
25					2TDN	TRANSIT DISC & LN			3	WHITE				
32									4	BLUE RAL5015				
40									5	RED RAL3000				
50														
63														
20	FF1		TSP		2TN				1			L		
EXAMPLE: 20FF1TSP2TN1L = SIZE 20 PLATFORM 1 SEAL, TSP POLYMER INDUSTRIAL, W/LOCKNUT, NYLON MATERIAL, LIGHT GREY COLOUR, METRIC LONG THREAD OPTION														

PLATFORM COMBINATIONS & HOLE SIZE

SIZE	16					20					25					32					40				
	DIAGRAM	NO. OF HOLES	HOLE SIZE	SEALING RANGE		DIAGRAM	NO. OF HOLES	HOLE SIZE	SEALING RANGE		DIAGRAM	NO. OF HOLES	HOLE SIZE	SEALING RANGE		DIAGRAM	NO. OF HOLES	HOLE SIZE	SEALING RANGE		DIAGRAM	NO. OF HOLES	HOLE SIZE	SEALING RANGE	
				MIN	MAX				MIN	MAX				MIN	MAX				MIN	MAX				MIN	MAX
FF1		1	L	7.0	8.2		1	L	7.0	8.2		2	L	8.0	10.3		1	L	14.0	17.1		1	L	15.0	19.4
			W	4.0	5.0			W	4.0	5.0			W	4.0	6.0			W	5.0	10.0			W	6.0	10.0
FF2		1	L	8.0	10.0		1	L	8.0	10.3		1	L	9.4	12.4										
			W	4.0	6.0			W	4.0	6.0			W	4.7	6.5										
FF3							1	L	10.0	11.9		1	L	9.7	12.4										
								W	4.0	6.25			W	7.0	8.8										
FF4							1	L	11.0	13.5		1	L	10.2	13.2										
								W	4.0	7.0			W	3.4	5.2										
FF5							1	L	9.0	11.3		1	L	10.8	13.8										
								W	7.0	8.3			W	5.4	7.2										
FF6												1	L	12.0	15.0										
													W	3.2	5.0										
FF7												1	L	12.9	15.9										
													W	5.9	7.7										
FF8												1	L	7.0	10.0										
													W	2.2	4.0										

L = Hole Length w = Hole Width