TSPe Ex i

TRUSEAL POLYMER

TRUSEAL TSPe Ex eb & Ex ta (TO BE USED WITH Ex i APPLICATIONS) POLYMER, EXPLOSIVE ATMOSPHERE CABLE GLAND

FOR ALL TYPES OF UNARMOURED & BRAIDED / SCREENED CABLES

shown with transit disc

- Blue nut for Intrinsically safe (Ex i) identification
- Halogen and phosphorus-free
- Finger-locking seal provides superior cable retention and strain relief
- Approved to the latest editions of IEC/EN 60079
- Internationally marked IECEx, ATEX and UKEX
- 3rd party certified to IEC/EN 62444
- Widest cable range take for any comparable cable gland
- Low weight with high stiffness and strength
- 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
- For clearance holes the TSPe must be installed using a CMP metallic locknut (available with the cable gland using ordering suffix 2TN)

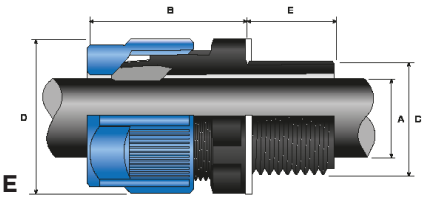
IP66 IP67 IP68 IP69K

Ex eb Ex ta UV +95°C ↑ -60°C

TECHNICAL DATA	
DESIGN SPECIFICATION	IEC 62444, EN 62444 (EN Metric only)
MECHANICAL CLASSIFICATION*	12-16 Impact = Level 5, 20-63 Impact = Level 6, Cable Anchorage = Type A
ENCLOSURE PROTECTION	12-16 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 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)

GLOBAL PRODUCT CERTIFICATION			
ATEX CERTIFICATE	CML 19ATEX3185X	IECEx CERTIFICATE	IECEx CML 19.0062X
UKEX CERTIFICATE	CML 21UKEX3264X	CODE OF PROTECTION	Ex eb IIC Gb, Ex ta IIIC Da
CODE OF PROTECTION	Ⓔx II 2G 1D, Ex eb IIC Gb, Ex ta IIIC Da	COMPLIANCE STANDARDS	IEC 60079-0,7,31
COMPLIANCE STANDARDS	EN 60079-0,7,31	ECAS CERTIFICATE	24-03-106290/E24-03-110155/ NB007
EAC CERTIFICATE	RU C-GB.АД07.В.02516/20	DNV CERTIFICATE	TAE000000Y
CCOE / PESO (INDIA) CERTIFICATE	P533772	CCC CERTIFICATE	2020322313003450
SANS	IA S-XPL21804 21.0014X		



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'	MINIMUM ORDER QUANTITY
	STANDARD		OPTION								
CABLE GLAND ORDERING REF	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	MIN	MAX	MAX	MAX		
16DTSPE1TA4	M16	9.0	15.0	⅜"	11.0	3.2	10.0	19.0	20.9	27.0	100
20DTSPE1TA4	M20	10.0	15.0	½"	14.0	5.5	14.0	24.0	26.2	30.5	100
25DTSPE1TA4	M25	10.0	15.0	¾"	15.0	9.0	18.0	30.0	32.7	36.0	50
32DTSPE1TA4	M32	12.0	15.0	1"	18.0	12.5	25.0	40.0	43.6	41.0	10
40DTSPE1TA4	M40	12.0	18.0	1 ¼"	18.0	19.0	32.0	50.0	54.5	49.0	10
50DTSPE1TA4	M50	12.0	18.0	1 ½"	19.0	22.0	38.0	58.0	63.2	59.0	5
63DTSPE1TA4	M63	15.0	18.0	2"	20.0	28.0	48.0	68.0	74.1	64.0	1

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'	MINIMUM ORDER QUANTITY
	STANDARD		OPTION								
CABLE GLAND ORDERING REF	METRIC	THREAD LENGTH (METRIC) 'E'	LONG THREAD LENGTH (METRIC) 'E'	NPT	THREAD LENGTH (NPT) 'E'	MIN	MAX	MAX	MAX		
12TSPE1TA4	M12	9.0	15.0	¼"	11.0	3.0	6.5	15.0	16.4	27.0	100
16STSPE1TA4	M16	9.0	15.0	⅜"	11.0	3.0	7.0	19.0	20.9	27.0	100
16TSPE1TA4	M16	9.0	15.0	⅜"	11.0	6.0	10.0	19.0	20.9	27.0	100
20STSPE1TA4	M20	10.0	15.0	½"	14.0	5.0	10.0	24.0	26.2	30.5	100
20TSPE1TA4	M20	10.0	15.0	½"	14.0	9.0	14.0	24.0	26.2	30.5	100
25STSPE1TA4	M25	10.0	15.0	¾"	15.0	9.0	15.5	30.0	32.7	36.0	50
25TSPE1TA4	M25	10.0	15.0	¾"	15.0	12.5	18.0	30.0	32.7	36.0	50
32STSPE1TA4	M32	12.0	15.0	1"	18.0	12.5	19.0	40.0	43.6	41.0	10
32TSPE1TA4	M32	12.0	15.0	1"	18.0	17.0	25.0	40.0	43.6	41.0	10
40STSPE1TA4	M40	12.0	18.0	1 ¼"	18.0	19.0	27.0	50.0	54.5	49.0	10
40TSPE1TA4	M40	12.0	18.0	1 ¼"	18.0	24.0	32.0	50.0	54.5	49.0	10
50STSPE1TA4	M50	12.0	18.0	1 ½"	19.0	22.0	32.0	58.0	63.2	59.0	5
50TSPE1TA4	M50	12.0	18.0	1 ½"	19.0	28.0	38.0	58.0	63.2	59.0	5
63STSPE1TA4	M63	15.0	18.0	2"	20.0	28.0	39.0	68.0	74.1	64.0	1
63TSPE1TA4	M63	15.0	18.0	2"	20.0	37.0	48.0	68.0	74.1	64.0	1

For NPT threads add a 'T' to the suffix e.g. 16DTSPE1TA4T (⅜" NPT)
For long metric threads add an 'L' to the suffix e.g. 16DTSPE1TA4L (M16, with 15mm length of entry thread)

Dimensions are displayed in millimetres unless otherwise stated