

TB-BSE SERIES

Single seal barrier cable gland
for unarmoured cable



Applications:

Flexible cables are often not armoured (e.g. sensor cables). When installed in hazardous areas, Zone 1, 2, 21 and/or 22, cables need to be protected against mechanical damage. The TB-BSE series M20-M25-M32 offer the possibility to connect directly a protected conduit that offers the protection as required. The top part of the gland is threaded, same as the connection to the enclosure, for metric size M20 - M25 -M32.



Applicable standards:

IEC 60079-0	: 2011	EN 60079-0	: 2012/A11:2013
IEC 60079-1	: 2007	EN 60079-1	: 2007
IEC 60079-7	: 2006	EN 60079-7	: 2007
IEC 60079-31	: 2013	EN 60079-31	: 2014

Specifications

ATEX certificate	: INERIS 15ATEX0028X
IECEx certificate	: IECEx INE15.0035X
Category	: II 2GD : I M2
Protection	: Ex d IIC Gb : Ex e IIC Gb : Ex tb IIIC Db IP66 : Ex d I mb
Service temperature	: -40 °C till +100 °C
Ingress protection	: IP66
Gasket	: EPDM rubber with hardness 60-65 shore
Material	: Brass nickel plated

Sizes and dimension:

size	description	inner gasket A1*	inner- A2*	inner- A3*	metric	NPT	A	B	C
1	TB-BSE-1*	4-7 mm	7-9,5 mm	9-12 mm	M 20	1/2"	43	30	27
2	TB-BSE-2*	9-12 mm	12-14,5 mm	14-17 mm	M 25	3/4"	43	35	32
3	TB-BSE-3*	14-17 mm	17-20 mm	20-23 mm	M 32	1"	51	43	38

Example:

- (1) TB-BSE-1A1 - M20 = Single seal cable gland with barrier, type BSE with inner gasket 4-7 mm with a M20 threading
- (2) TB-BSE-2A2 - 3/4"NPT = Single seal cable gland with barrier, type BSE with inner gasket 12-14,5 mm with a 3/4"NPT threading

Optional and accessories

- Stainless steel AISI 316.
- Shrouds
- Adaptors
- Reducers
- Stopping plugs

