

QUICK SELECTOR CHART & TABLE OF CONTENTS

Quick Selector Chart (SWA=Steel Wire Armour GSWB=Galvanized Steel Wire Braid STA=Steel Tape Armour)

Series	Cable Type	Certification	Material	ATEX	UL	CSA	Barrier Type	Seal Type Rating	Environmental (°C)	Temp Range Number	Page
TAB1	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Brass	X		X	No	Neoprene	IP66/68 & deluge	-20 to +80	4
TAB3	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Brass	X		X	No	Silicone	IP66/68 & deluge	-60 to +180	4
TAS1	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Stainless Steel	X		X	No	Neoprene	IP66/68 & deluge	-20 to +80	4
TAS3	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Stainless Steel	X		X	No	Silicone	IP66/68 & deluge	-60 to +180	4
TACFB	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Brass	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	6
TACFS	SWA/GSWB/STA/ Marine Shipboard	Exd/Exe	Stainless Steel	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	6
TU1SC	Unarmoured/Braided/ Marine Shipboard	Exd/Exe	Brass	X		X	No	Neoprene	IP66/68	-20 to +80	8
TU3SC	Unarmoured/Braided/ Marine Shipboard	Exd/Exe	Brass	X		X	No	Silicone	IP66/68	-60 to +180	8
TUCFB	Unarmoured	Exd/Exe	Brass	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	10
TUCFS	Unarmoured	Exd/Exe	Stainless Steel	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	10
TMC	Metal Clad	Wet Location	Aluminum or Brass		X	X	No	Neoprene	NEMA 4	-50 to +60	12
TMCX	Metal Clad/Tray Cable	Cl. I, Div. 1 Cl. II, Div. 1	Aluminum or Brass		X	X	Yes	Neoprene	NEMA 4	-50 to +60	12
TW1DC	SWA	Exd/Exe	Brass	X			No	Neoprene	IP66/67	-20 to +80	14
TW3DC	SWA	Exd/Exe	Brass	X			No	Silicone	IP66/67	-60 to +180	14
TB1DC	GSWB	Exd/Exe	Brass	X			No	Neoprene	IP66/67	-20 to +80	14
TB3DC	GSWB	Exd/Exe	Brass	X			No	Silicone	IP66/67	-60 to +180	14
CAPRI ADE 4F	SWA/GSWB/STA	Exd/Exe	Brass	X			No	Neoprene	IP68	-40 to +100	16
TCCFB	Conduit	Exd/Exe	Brass	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	18
TCCFS	Conduit	Exd/Exe	Stainless Steel	X		X	Yes	Silicone	IP66/68 & deluge	-60 to +85	18

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TUSC

SERIES

- ATEX and CENELEC Dual E Exd IIC / E Exe II
- Zone 1 or 2 Hazardous Areas
- CSA Exd IIC / Exe II, Class I, Zone 1
- Enclosure Type 4X
- IP66 / 67 / 68



Application

For use in Zone 1 or 2 hazardous areas with ATEX/CENELEC certified equipment and unarmoured, braided or marine shipboard cable.

Features

All TUSC cable glands offer:

- a flameproof or increased safety seal on the outer sheath of unarmoured or braided cable.
- a weatherproof seal to the outer sheath of the cable.
- integral entry thread seal (metric entry threads only).
- brass construction (optional stainless steel).
- optional nickel-plate finish.
- metric or NPT threads.

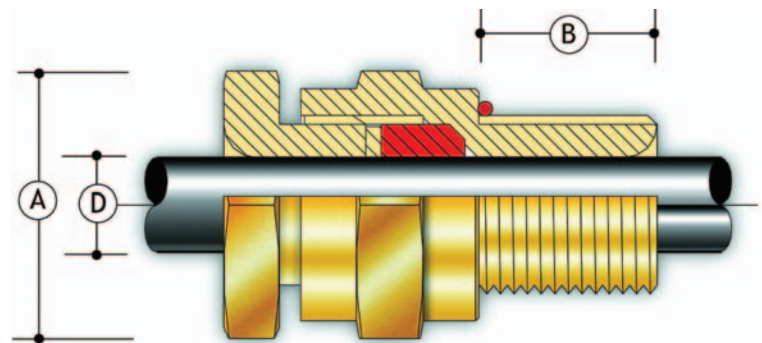
TU3SC cable glands offer a zero halogen version for extreme high and low temperature applications (-60°C to +180°C).

Certifications and Compliances

- ATEX E Exd IIC / E Exe II with SIRA 03ATEX2079X
- Standards EN50014:1998, EN50018:2000, EN50019:2000 and EN50281-1-1:1998
- Class I, Zone 1
- CSA Exd IIC / Exe II
- Enclosure Type 4X
- IP66, IP67 and IP68
- GOST R - Exd IICU / Exe IIU

Design Data (millimeters)

Gland Size	A (across corners)	B (thread length)
16	28.0	16.0
20S	28.0	16.0
20	33.0	16.0
25	41.4	16.0
32	50.6	16.0
40	60.5	16.0
50S	71.5	16.0
50	71.5	16.0
63S	88.0	19.0
63	88.0	19.0
75S	99.0	19.0
75	99.0	19.0
80	115.2	25.0
85	115.2	25.0
90	125.7	25.0
100	125.7	25.0



Ordering Information

Build your catalog number from the information below. All catalog numbers consist of three main sections:

1. Select the Gland Type (i.e., TU1SC)
2. Select the Gland Size based on cable specifications (i.e., 20S)
3. Specify Thread Size (i.e., 075NPT)

Ordering example:
TU1SC/NP/20S/075NPT

Step 1 Select Gland Type from Table below:

Gland Types	
Gland Type	Description
TU1SC	For Unarmoured or Braided cable with neoprene seal - brass construction.
TU3SC	For Unarmoured or Braided cable with silicone seal for extreme temp. - brass construction.
TU1SCS	For Unarmoured or Braided cable with neoprene seal - stainless steel construction.
TU3SCS	For Unarmoured or Braided cable with silicone seal for extreme temp. - stainless steel construction.

For optional nickel-plate finish add suffix /NP after Gland Type (i.e., TU1SC/NP).

For optional poly-bagged kit including gland, brass locknut, sealing washer and PCP shroud, add "K1" at the end of Gland Type (i.e., TU1SCK1).

Step 2 Select Gland Size based on Cable Size from Table below:

Cable Sizes (Dimensions are all in millimeters)					
Gland Size	Available Entry Threads		Cable Outer Sheath [D]		Shroud Size †
	Metric	NPT	Min	Max	
16	M20	1/2" or 3/4"	3.4	8.4	L24
20S	M20	1/2" or 3/4"	7.2	11.7	L24
20	M20	1/2" or 3/4"	9.6	14.0	L30
25	M25	3/4" or 1"	13.5	20.0	L38
32	M32	1" or 1 1/4"	19.5	26.3	L46
40	M40	1 1/4" or 1 1/2"	23.0	32.2	L55
50S	M50	1 1/2" or 2"	28.2	38.2	L65
50	M50	2"	33.2	44.1	L65
63S	M63	2" or 2 1/2"	39.3	50.1	L80
63	M63	2 1/2"	46.7	56.0	L80
75S	M75	2 1/2" or 3"	52.3	62.0	L90
75	M75	3"	58.1	68.0	L90
80	M80 x 2	3" or 3 1/2"	62.3	72.0	L104
85	M85 x 2	3" or 3 1/2"	69.1	78.0	L104
90	M90 x 2	3 1/2" or 4"	74.1	84.0	L114
100	M100 x 2	3 1/2" or 4"	82.1	90.0	L114

† For PVC or PCP shrouds see Accessories, page 20.

Step 3 Specify Thread Size from Table below:

Metric Thread Sizes		NPT Thread Sizes	
Thread Size	Add to Catalog Number	Thread Size	Add to Catalog Number
M16	M16	1/2" NPT	050NPT
M20	M20	3/4" NPT	075NPT
M25	M25	1" NPT	100NPT
M32	M32	1 1/4" NPT	125NPT
M40	M40	1 1/2" NPT	150NPT
M50	M50	2" NPT	200NPT
M63	M63	2 1/2" NPT	250NPT
M75	M75	3" NPT	300NPT
M80	M80	3 1/2" NPT	350NPT
M85	M85	4" NPT	400NPT
M90	M90	—	—
M100	M100	—	—