Трубки EX S1824, S1827, S1855, S2040

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BOLA **Flexible Tubing EX**

Material:	Temperature resistance:	Chemical resistance:	Conductivity:
PFA-EX	**from -200°C to +260°C**	**+++ universal**	**10^6 Ohm**

Product description:

Static dissipative, corrugated tubing with nominal width 10 and with circular corrugations around the longitudinal axis. Cylindrical tubing ends with a length of 40 mm can for example be connected directly to fittings, stopcocks or hose connectors. Together with BOLA Laboratory Screw Joints EX, the connection is static dissipative, absolutely tight and suitable for vacuum.

Tubing end I.D.	Tubing end O.D.	Bending radius[1] mm	Burst pressure[2] bar	Cat.No.: Length 0,5 m	Cat.No.: Length 1,0 m	Cat.No.: Length 2,5 m
4	6	18	11	**S 1824-24**	**S 1824-54**	**S 1824-74**
6	8	18	11	**S 1824-27**	**S 1824-57**	**S 1824-77**
8	10	18	11	**S 1824-30**	**S 1824-60**	**S 1824-80**
10	12	18	11	**S 1824-33**	**S 1824-63**	**S 1824-83**
12	14	18	11	**S 1824-35**	**S 1824-65**	**S 1824-85**

Product advantages:

» flexible to highly flexible
» tight bending radius only causes little cross-section reduction
» non-porous

Applications:

» antistatic applications
» in explosive ambiance (explosion protection)
» for easy handling of liquids and gases
» for transport of solvents or alcohols
» ideal for connections under vibrations
» usable with a small bending radius
» for compensation of thermal expansions

#SUITABLE PAGE 146
Conductive fittings and stopcocks made of PTFE-EX

BOLA **PRACTICAL TIP**
Easy tubing assembly
Before assembling the tubing on a hose connector, heat it in an oven or with a hot air gun to approx. 60°C. All BOLA products can be heated for easier assembly or disassembly.

[1] Bending radius: minimum bending radius in mm at a room temperature of 23°C

[2] Burst pressure: computed value in bar at a room temperature of 23°C. It is recommended to restrict the maximum working pressure to 25% of the burst pressure. For higher temperatures, this value has to be multiplied by the reduction factor shown on page 359. It is the user's responsibility to check if the used tubing fulfils the respective requirements.

BOLA **Antistatic Explosion-Proof Tubing EX**

Material:	Temperature resistance:	Chemical resistance:	Conductivity:
PTFE-EX	**from -200°C to +250°C**	**+++ universal**	**10^6 Ohm**

BEST SELLER

FDA conform

Product description:

Very good electric conductivity due to a special "antistatic compound" made of pure PTFE and finest, highly pure carbon dust (less than 2,5%). Colour: black

I.D. mm	O.D. mm	Wall thickness mm	Bending radius[1] mm	Burst pressure[2] bar	Cat. No.:
(1/32") 0,8	(1/16") 1,6	0,4	7	140	**S 1827-10**
(1/16") 1,6	(1/8") 3,2	0,8	13	140	**S 1827-26**
2,0	3,0	0,5	18	70	**S 1827-30**
2,0	4,0	1,0	16	140	**S 1827-32**
3,0	4,0	0,5	32	46	**S 1827-34**
4,0	6,0	1,0	36	70	**S 1827-40**
(11/64") 4,35	(1/4") 6,35	1,0	40	64	**S 1827-42**
6,0	8,0	1,0	64	46	**S 1827-50**
8,0	10,0	1,0	100	35	**S 1827-60**
10,0	12,0	1,0	144	28	**S 1827-64**
12,0	14,0	1,0	196	23	**S 1827-68**
14,0	16,0	1,0	256	20	**S 1827-74**

Product advantages:

» extensive chemical resistance due to PTFE parts
» resistance of less than 10^6 Ohm according to EN 12115 directive
» ideal for light-sensitive substances

Applications:

» antistatic applications
» in explosive ambiance (explosion protection)
» for transport of solvents or alcohols

BOLA INFORMATIVE

#1 Antistatic Explosion-Proof Tubing made of PTFE-EX are matching the sizes of the BOLA Screw Joint System.

Nominal outer diameter:

from Ø 1,6 mm to Ø 3,2 mm	» tolerance outer diameter: +/-0,10 mm
from Ø 3,3 mm to Ø 6,35mm	» tolerance outer diameter: +/-0,25 mm
from Ø 8,0 mm to Ø 14,0 mm	» tolerance outer diameter: +/-0,30 mm
at Ø 16,0 mm	» tolerance outer diameter: +/-0,40 mm

[1] Bending radius: minimum bending radius in mm at a room temperature of 23°C

[2] Burst pressure: computed value in bar at a room temperature of 23°C. It is recommended to restrict the maximum working pressure to 25% of the burst pressure. For higher temperatures, this value has to be multiplied by the reduction factor shown on page 359. It is the user's responsibility to check if the used tubing fulfils the respective requirements.

BOLA **Zebra Explosion-Proof Tubing EX**

Material:	Temperature resistance:	Chemical resistance:	Conductivity:
PFA-EX	**from -200°C to +260°C**	**+++ universal**	**10^6 Ohm**

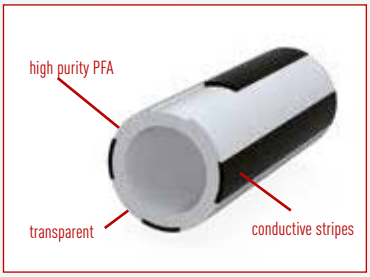
BEST SELLER

FDA conform

Product description:

Transparent PFA tubing with black longitudinal conductive stripes on the outer surface. The tubing is absolutely round and can be connected to all common fittings.

I.D. mm	O.D. mm	Wall thickness mm	Bending radius[1] mm	Burst pressure[2] bar	Cat. No.:
2,0	3,0	0,5	15	57	**S 1855-30**
4,0	6,0	1,0	25	57	**S 1855-40**
6,0	8,0	1,0	50	41	**S 1855-50**
8,0	10,0	1,0	80	32	**S 1855-60**
10,0	12,0	1,0	130	27	**S 1855-64**



Product advantages:

» the flowing product is only exposed to PFA
» no chemical restrictions due to the outer conducting stripes
» resistance less than 10^6 Ohm
» smooth, non-porous interior surface
» clear visibility of the flowing product
» no corrosion unlike metal lines or metal meshes
» almost universal chemical resistance

Applications:

» antistatic applications
» in explosive ambiance (explosion protection)
» for transport of highly flammable solvents or alcohols
» for transport of highly pure chemicals and gases

BOLA INNOVATION

#1 **Zebra Tubing**

Especially made for antistatic applications: Transparent tubing made of PFA with black longitudinal conductive stripes on the outer surface. Provides high chemical resistance and can be used in explosive ambiance.

[1] Bending radius: minimum bending radius in mm at a room temperature of 23°C

[2] Burst pressure: computed value in bar at a room temperature of 23°C. It is recommended to restrict the maximum working pressure to 25% of the burst pressure. For higher temperatures, this value has to be multiplied by the reduction factor shown on page 359. It is the user's responsibility to check if the used tubing fulfils the respective requirements.

BOLA **PTFE Explosion-Proof Tube Reels EX**

Material:	Temperature resistance:	Chemical resistance:	Conductivity:
PTFE-EX	**from -200°C to +250°C**	**+++ universal**	**10^6 Ohm**

NEW FDA conform

Product description:

Very good electric conductivity due to a special "antistatic compound" made of pure PTFE and finest, highly pure carbon dust (less than 2,5%). Colour: black

Reel length mm	I.D. mm	O.D. mm	Wall thickness mm	Bending radius[1] mm	Burst pressure[2] bar	Cat. No.:
5	2,0	4,0	1,00	16	[redacted]	[redacted]32
5	4,0	6,0	1,00	36	70	S 2040-40
5	6,0	8,0	1,00	64	46	S 2040-50
5	8,0	10,0	1,00	100	35	S 2040-60
5	10,0	12,0	1,00	144	28	S 204[redacted]64

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You need BOLA tubing in longer length in one piece? No problem! You can also get our fluoroplastic tubes by the metre.

BOLA INFORMATIVE

#1 **Antistatic Explosion-Proof Tubing made of PTFE-EX are matching the sizes of the BOLA Screw Joint System.**

Nominal outer diameter:

from Ø 1,6 mm to Ø 3,2 mm	» tolerance outer diameter: +/-0,10 mm
from Ø 3,3 mm to Ø 6,35mm	» tolerance outer diameter: +/-0,25 mm
from Ø 8,0 mm to Ø 14,0 mm	» tolerance outer diameter: +/-0,30 mm
at Ø 16,0 mm	» tolerance outer diameter: +/-0,40 mm

[1] Bending radius: minimum bending radius in mm at a room temperature of 23°C

[2] Burst pressure: computed value in bar at a room temperature of 23°C. It is recommended to restrict the maximum working pressure to 25% of the burst pressure. For higher temperatures, this value has to be multiplied by the reduction factor shown on page 359. It is the user's responsibility to check if the used tubing fulfils the respective requirements.

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