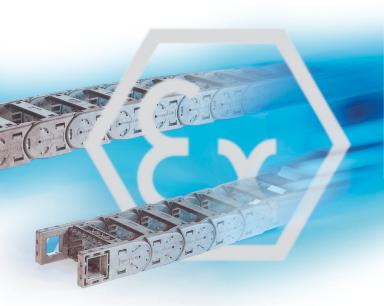


# Approved safety in explosive areas





In the area of very advanced technical developments, even a normal static electrical discharge may prove extremely dangerous and expensive.
Under normal circumstances, static electricity and electrostatic discharges (ESD) are simply annoying but not worrying nuisances that you notice as an unpleasant voltage strike.

For example, when you walk over a carpet and then touch a door handle you may receive a "strike". This occurrence is similar to the friction created between single technical components in production equipment (e.g. cables in a cable drag chain).

The static electricity is defined as electric charging caused by the imbalance of electrons on the material's surface.

The physical event of electrostatic discharge (ESD) occurs through the charging compensation of two bodies with different electrical potential.



#### Clean room

Static charging is one of the main elements affecting clean room quality. Particles that attract or cling to each other and then combine with dust or other interfering particles endanger clean room quality.



#### **Printing machines**

Solvents and inks can provide an increased risk of explosion.



#### Potentially explosive areas

ESD chains are absolutely imperative wherever combustible gases, liquids and powder are in use. The tremendous danger of explosion is decreased to a minimum.



#### **Electronic components**

ESD chains should be used wherever electronic components are produced or transported in the vicinity of energy transmissions. This will help to reduce the risk of destructive electrical discharges that may cause damage to components.

### The advantages at forst glance:

ESD chains - an incredibly practical solution - bring you many advantages:

- Safety tested according to ATEX-RL 94/9/EC
- Easy assembly
- High quality
- Comprehensive selection
- Accessories for any event
- No additional authorisation required
- An ATEX operating manual is attached to each shipment



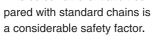
murrplastik ESD chains are ATEX certified and may be applied immediately in potentially explosive areas, thereby producing time and cost savings.



murrplastik ESD chains are grey in colour and unmistakable. This colour differentiation compared with standard chains is











## **Overview Cable Drag Chains**

Cable drag chain inner heigh in inch (mm)

in	0,39 (10 mm)	MP 10	EasyLine															MP 10	•	•	•	• •
ght	0,55 (14 mm)	MP 14/15	MultiLine															MP 14	1/15	•	•	•
	0,71 (18 mm)	MP 18	MultiLine														MP 18	•	•	•	•	)
	0,79 (20 mm)	MP 2000	MultiLine																	MP 2000	•	-
	0,98 (25 mm)	MP 25 G	ClosedLine											•		•	•	•		•	MP 2	5 G
	1,02 (26) mm	MP 26	MultiLine											•		•	•	•		•	MP 2	6
	1,02 (26 mm)	MP 3000	MultiLine													•	•	••		•	MP 3	000
	1,26 (32 mm)	MP 32	PowerLine		• •	-	• •	•	•	-	•	••	••	•	•	•	•	• •	-	MP 32		
	1,34 (34 mm)	MP 35	MultiLine										•	•	-	-	•	•	MP 3	5		
	1,42 (36 mm)	MP 36 G	ClosedLine											•	-		•	•	MP 3	6 G		
1,50 (38 mm)		MP 43 G	MultiLine									•	•		•		•	-	MP 4	3 G		
1	,57 (40 mm)	MP 44	MultiLine									•	•		•		•	•	-	MP 44		
1,	65 (42 mm)	MP 41	PowerLine		• •	-	• •	•	•	-	•	••	••	•	•	•	•	• •	-	MP 41		
1,65 (42 mm) 2,05 (52 mm)		MP 42	MultiLine							•		•	•		•	•		-	MP 42			
		MP 52	PowerLine	<u> </u>	• •	-	• •	•	•	-	•	• •	••	•	•	•	•	• •	-	MP 52		
2,36 (60 mm)		MP 65 G	MultiLine										•		•		•	MP 65 (				
2,36 (60 mm) 2,44 (62 mm)		MP 66	MultiLine									•	•		•		•	•	-	MP 66		
		MP 62	HeavyLine		•	•	•	•	• •	•	•	•		•	MP	62						
2,83 (72 mm)		MP 72	HeavyLine		•	•	•	•	••	•	• •	•		•	MP	72						
02 (102 mm)		MP 102	HeavyLine	$\overline{}$	•	•		•	••	•	• •				MP	102						

open enclosed variable width 20, 39 (518 mm)
18, 42 (468 mm)
18, 42 (468 mm)
16, 46 (418 mm)
16, 46 (418 mm)
17, 56 (446 mm)
17, 56 (446 mm)
18, 50 (346 mm)
19, 22, 2(318 mm)
11, 56 (248 mm)
11, 56 (296 mm)
11, 56 (296 mm)
11, 56 (296 mm)
12, 52 (318 mm)
13, 56 (248 mm)
14, 56 (296 mm)
15, 57 (438 mm)
17, 72 (188 mm)
17, 61 (199 mm)
17, 61 (199 mm)
18, 61 (158 mm)
18, 61 (158 mm)
19, 61 (148 mm)

Cable drag chain inner width in inch (mm)



Copies of our catalogue containing details of the complete delivery programme and the ATEX operating manual can be obtained on request.

#### Our delivery programme:

- Cable protection conduit and screw connection systems
- Cable drag chain systems
- Cable entry and cable holding systems
  - Labeling systems

If you have any questions please feel free to contact us.



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