

MULTILAYER C.MLT 533

C.MLT 533 tubes are produced using state-of-the-art multilayer extrusion technology. They fully comply with ISO 7628-2010 standards. C.MLT 533 tubes are offering a very cost-effective alternative to PA12 or PA11 tubes. Developed for Airbrake application using quick connectors, C.MLT 533 tubes are available in black color only. Based on customer specifications, other C.MLT structures can be developed.

 NR Black Exclusively black tube

Ø External mm	Ø Internal mm	Thickness mm	C.MLT 533			STANDARD
			Bend radius mm	Burst pressure at 23°C in bar*	ISO 7628 category	ISO 7628
6	4	1	30	108	2	•
8	6	1	40	78	2	•
10	8	1	60	60	1	•
12	9	1.5	60	78	2	•
15	12	1.5	90	60	1	•

* Referred to the nominal diameter of the product Other sizes upon request

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MARKING Our standard marking is:

ISO 7628	-	CAT.2	-	12x1.5mm	-	PA12/PA6/PA12	-	C.MLT 533	-	04002154-18-154-09:27
▼		▼		▼		▼		▼		▼
Standard		Product category		External ø for thickness		Raw material		Product name		Batch number

USE TEMPERATURE

C.MLT 533 tubes have been type-approved according to **ISO 7628-2010** standard.

The **ISO 7628-2010** standard classifies the tube resistance to pressure according to the temperature using some categories.

The following tables show the tube resistance:

TOLERANCES

The tolerances on external diameter, according to **ISO 7628-2010**, are:

External diameter from 6 mm to 10 mm ± 0.1 mm
External diameter from 12 mm to 15 mm ± 0.15 mm

Upon special request tubes with narrow tolerances.

TUBE CATEGORY FOR AIR BRAKING SYSTEMS

Category	Maximum operating pressure in bar	Minimum temperature	Maximum temperature
0	10	-40°C	80°C
1	10	-40°C	100°C
2	12.5	-40°C	100°C
3	12.5	-40°C	125°C

BURST PRESSURE ASSOCIATED WITH THE USE CLASS

Test temperature	Maximum operating pressure in bar	Burst pressure in bar
23°C	10 - 12.5	>40 >50
80°C	10	>25
100°C	10 - 12.5	>25 >31.5
125°C	12.5	>25

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