

US COT



Mobility

Introducing US COT corrugated tubing: meticulously crafted to meet the rigorous standards of American OEM specifications, available in both English and Metric sizes. With exceptional flexibility, it excels under high compression and abrasion, ensuring reliable protection for cables in any application.



- Mechanical & Abrasion protection
- Compression resistance
- Conform to American Specifications

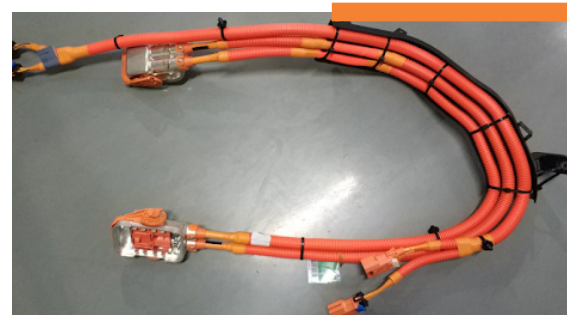


- **Product family:**
Convolute Tubing
- **Options:**
Slit or Non-Slit
- **Materials:**
Polyethylene
Polyamide
Polypropylene
Polyester



Environments:

- Interior
- Engine
- HEV/EV
- Battery
- Cooling System
- Brake Line, Fuel Line
- HVAC (*Heating, Ventilation and Air-Conditioning*)



PHYSICAL PROPERTIES

Properties	Test Method	PE10	PEFR	PP1	PP3	HHPP	PPME
Standard colors without stripe	-	Black, orange	Black, Gray	Black	Black, orange	Black, orange	Black, orange
Long term aging (3000h)	-	85°C	85°C	100°C	105°C	125°C	125°C
Short term aging	-	115°C / 168h	115°C / 168h	125°C / 240h	125°C / 240h	150°C / 240h	150°C / 240h
Density	ISO 1183	0.94 g/cm³	1.01 g/cm³	0.90 g/cm³	0.93 g/cm³	0.91 g/cm³	0.92 g/cm³
Flammability	FMVSS 302 UL 94	< 100 mm/min HB	SE V2	< 100 mm/min HB	SE -	< 100 mm/min -	SE V2

Properties	Test Method	PP5	NC7	N24	N6FR	TPEE2	TPA2
Standard colors without stripe	-	Black, orange	Black, red	Black, orange	Gray	Black	Black, orange
Long term aging (3000h)	-	125°C	125°C	125°C	125°C	150°C	150°C
Short term aging	-	150°C / 240h	150°C / 168h	150°C / 168h	150°C / 240h	175°C / 240h	175°C / 240h
Density	ISO 1183	1.03 g/cm³	1.06 g/cm³	1.08 g/cm³	1.13 g/cm³	1.26 g/cm³	1.15g/cm³
Flammability	FMVSS 302 UL 94	< 100 mm/min HB	< 100 mm/min HB	< 75 mm/min HB	SE V2	< 100 mm/min -	SE -

SE: Self-extinguishing
Other colors upon request

DIMENSIONS

Designation metric sizes	ID (ØA) min	OD (ØB) max
05	4.89	8.06
06	5.69	9.96
07	6.89	10.51
08	7.09	11.91
09	8.24	13.11
10	9.89	15.11
13	12.64	17.91
14	13.79	19.11
15	14.69	19.91
16	15.19	21.41
19	18.39	25.21
22	21.39	29.31
25	24.49	33.51
28	27.49	34.51
29	28.59	36.11
30	29.79	38.51
32	31.69	38.91
36	35.99	44.71
37	35.69	42.71
40	38.79	49.51

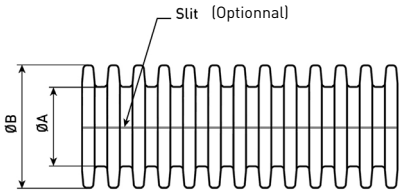
Some sizes may be unavailable depending on material.

PACKAGING

Containers
Half-containers
Coils
Minimum cut lengths from 15 mm
(Other lengths upon request only)

Designation english sizes	ID (ØA) min	OD (ØB) max
1/8"	3.99	7.21
1/4"	6.64	10.11
5/16"	7.69	11.11
3/8"	10.19	14.11
7/16"	11.04	15.86
1/2"	12.64	17.66
19/32"	14.89	20.31
5/8"	16.39	21.21
3/4"	18.84	24.21
1"	22.79	28.81
1 1/16"	25.99	34.71
1 1/8"	30.09	37.91
1 1/4"	32.39	39.41
1 3/8"	34.29	42.31
1 1/2"	36.99	48.11
2"	46.79	55.51

Some sizes may be unavailable depending on material.



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