

US

COT

US COT is a standard convoluted tubing designed for wire harness protection. It is suited for harsh environments to protect against any mechanical risks such as abrasion or compression. It is proposed in various materials, including materials formulated with flame retardant or anti-rodent repellent compounds. This tube can be delivered slit or non-slit.



PRODUCT FAMILY: Standard Convoluted Tubing



CONSTRUCTION: Extruded solution, available slit or non-slit
MATERIALS: polyethylene, polypropylene, polyamide, polyester



STANDARD COLORS: Black (except NC7),
Orange (PE10, PP3, PP5, HHPP, N24), Gray (PEFR, NC7), Red (N6FR)



TEMPERATURE OF USE: -40/150°C (-40/302°F)
(depending on material grade)



TYPICAL APPLICATIONS:

- Electrical Distribution
- Railway & Transportation
- Equipment & Heavy Truck
- Automation & Robotics



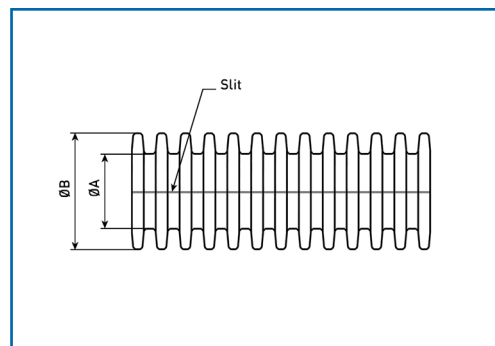
PHYSICAL PROPERTIES

Physical properties	Spec	PE10	PEFR	PP1	PP3	PP5	HHPP	N24	NC7	N6FR	TPEE2
Long term aging (3000h)	-	85°C	85°C	100°C	105°C	125°C	125°C	125°C	125°C	125°C	150°C
Short term aging	-	115°C (168h)	115°C (168h)	125°C (240h)	125°C (240h)	150°C (240h)	150°C (240h)	150°C (168h)	150°C (168h)	150°C (240h)	175°C (240h)
Density (g/cm3)	ISO 1183	0.94	1.01	0.9	0.93	1.03	0.91	1.08	1.06	1.13	1.26
Flammability (mm/min)	FMVSS 302	< 100	self-ext.	< 100	self-ext.	< 100	< 100	< 75	< 100	self-ext.	< 100
	UL 94	HB	V2	HB	-	HB	-	HB	HB	V2	-
Chemical resistance	Resists the majority of chemicals and automotive fluids										

DIMENSIONS

Nominal Ø (mm)	ID (ØA) min (mm)	OD (ØB) max (mm)	Nominal Ø (inches)	ID (ØA) min (mm)	OD (ØB) max (mm)
5	4.89	8.06	1/8"	3.99	7.21
6	5.69	9.96	1/4"	6.64	10.11
7	6.89	10.51	5/16"	7.69	11.11
8	7.09	11.91	3/8"	10.19	14.11
9	8.24	13.11	7/16"	11.04	15.86
10	9.89	15.11	1/2"	12.64	17.66
13	12.64	17.91	19/32"	14.89	20.31
14	13.79	19.11	5/8"	16.39	21.21
15	14.69	19.91	3/4"	18.84	24.21
16	15.19	21.41	1"	22.79	28.81
19	18.39	25.21	1 1/16"	25.99	34.71
22	21.39	29.31	1 1/8"	30.09	37.91
25	24.49	33.51	1 1/4"	32.39	39.41
28	27.49	34.51	1 3/8"	34.29	42.31
29	28.59	36.11	1 1/2"	36.99	48.11
30	29.79	38.51	2"	46.79	55.51
32	31.69	38.91			
36	35.99	44.71			
37	35.69	42.71			
40	38.79	49.51			

Note: Some sizes may be unavailable depending on material.
Please contact your Sales Representative for further information.



PACKAGING

Containers
Half-containers
Coils
Cut lengths from 15 to 2,000 mm (other lengths upon request only)