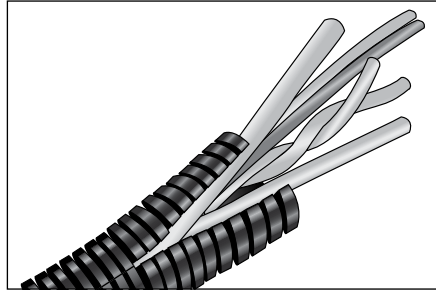
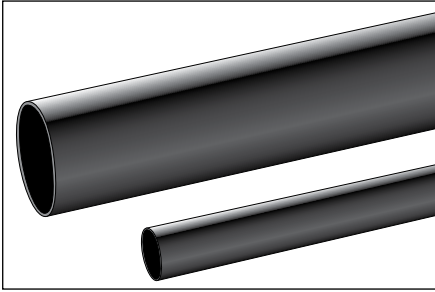


FIT[®] Wire Management





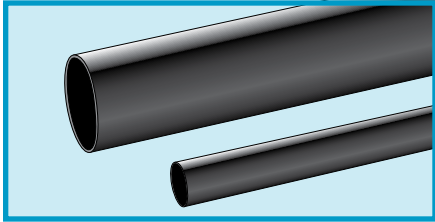
Tubing

FIT General-Purpose Tubing			
Material	Feature	Characteristics	FIT Family
PVC	Multipurpose	-20°C to +105°C Flexible wire protection for harnesses and ground straps 37 sizes from 0.022" to 2.5"	PVC-105
PVC tubing Nylon connectors	Flexible, liquid tight	-18°C to +50°C Maximum flexibility Usable in extremely tight quarters	FNT SLC/RLC
PE, nylon, PTFE, PVC	Spiral wrap	Wide range of materials, temperature ranges, and mechanical properties	SW
PE tubing PP fittings	Convuluted slit loom	-40°C to +93°C Abrasion and fluid resistant Light weight Easy, flexible cable breakouts	Type 492
PVC	Zipper tubing	-20°C to +105°C Loc-Trac® zipperlike closure Protection against flame, chemicals, and abrasion	ZIP-41

FIT® Wire Management

Multipurpose PVC Tubing

PVC-105



UL 224 VW-1
CSA 198
MIL-I-631D Type F, Form U,
Subform Ua, Grade C
ASTM D922

- Flexible wire protection for harnesses and ground straps
- Resistance to heat, oil, and abrasion

Operating Temperature

- -20°C to +105°C

Colors

- Size #24 to 1-1/2 inches: Black, clear
- 2 Inches to 2-1/2 inches: Black

Physical Properties

- Tensile strength: 2780 psi (19.17 N/mm²)
- Elongation: 260%
- Specific gravity: 1.32
- Flammability: UL 224 VW-1

Chemical Properties

- Corrosive effect: non-corrosive
- Fungus resistance: no growth
- UV stable
- Lead free

Electrical Properties

- Dielectric strength: 870 V/mil (343 kV/cm)
- Volume resistivity: 2 x 10¹⁴ ohm-cm
- UL voltage rating
 Sizes #24 to #1: UL rated 300 V
 5/16 to 2 inches: UL rated 600 V

Availability

- See table
- PVC-105-24 to PVC-105-1 are available air spooled on the largest put-ups only

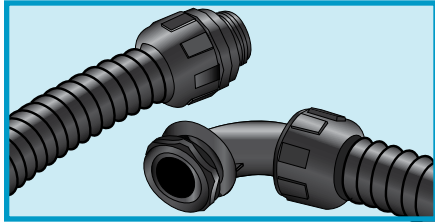
Part No.	Inside Diameter, Min.		Inside Diameter, Max.		Wall Thickness, Nom.		Standard Put-Ups	
	Inch	mm	Inch	mm	Inch	mm	Ft	m
PVC-105-24	0.022	0.56	0.027	0.69	0.012	0.30	1000	305
PVC-105-22	0.025	0.64	0.032	0.81	0.012	0.30	100, 1000	30.5, 305
PVC-105-20	0.032	0.81	0.039	0.99	0.016	0.41	1000	305
PVC-105-19	0.036	0.91	0.044	1.12	0.016	0.41	1000	305
PVC-105-18	0.040	1.02	0.049	1.24	0.016	0.41	100, 1000	30.5, 305
PVC-105-17	0.045	1.14	0.054	1.37	0.016	0.41	100, 1000	30.5, 305
PVC-105-16	0.051	1.30	0.061	1.55	0.016	0.41	100, 1000	30.5, 305
PVC-105-15	0.057	1.45	0.067	1.70	0.016	0.41	100, 1000	30.5, 305
PVC-105-14	0.064	1.63	0.072	1.83	0.016	0.41	100, 500	30.5, 152
PVC-105-13	0.072	1.83	0.08	2.03	0.016	0.41	100, 500	30.5, 152
PVC-105-12	0.081	2.06	0.089	2.26	0.016	0.41	500	152
PVC-105-11	0.091	2.31	0.101	2.57	0.016	0.41	100, 500	30.5, 152
PVC-105-10	0.102	2.59	0.112	2.84	0.016	0.41	500	152
PVC-105-9	0.114	2.90	0.124	3.15	0.020	0.51	500	152
PVC-105-8	0.129	3.28	0.141	3.58	0.020	0.51	100, 500	30.5, 152
PVC-105-7	0.144	3.66	0.158	4.01	0.020	0.51	100, 500	30.5, 152
PVC-105-6	0.162	4.11	0.178	4.52	0.020	0.51	100, 500	30.5, 152
PVC-105-5	0.183	4.65	0.198	5.03	0.020	0.51	100, 500	30.5, 152
PVC-105-4	0.204	5.18	0.224	5.69	0.020	0.51	100, 250	30.5, 76
PVC-105-3	0.229	5.82	0.249	6.32	0.020	0.51	100, 250	30.5, 76
PVC-105-2	0.258	6.55	0.278	7.06	0.020	0.51	250	76
PVC-105-1	0.289	7.34	0.311	7.90	0.020	0.51	100, 250	30.5, 76
PVC-105-5/16	0.313	7.95	0.334	8.48	0.025	0.64	100, 250	30.5, 76
PVC105-0	0.325	8.26	0.347	8.81	0.020	0.51	100, 250	30.5, 76
PVC-105-3/8	0.375	9.53	0.399	10.13	0.025	0.64	100, 250	30.5, 76
PVC-105-7/16	0.438	11.13	0.462	11.73	0.025	0.64	100	30.5
PVC-105-1/2A	0.500	12.70	0.524	13.31	0.025	0.64	100	30.5
PVC-105-9/16	0.562	14.27	0.592	15.04	0.030	0.76	100	30.5
PVC-105-5/8	0.625	15.88	0.655	16.64	0.030	0.76	100	30.5
PVC-105-3/4	0.750	19.05	0.786	19.96	0.035	0.89	50	15.2
PVC-105-7/8	0.875	22.23	0.911	23.14	0.035	0.89	50	15.2
PVC-105-1IN	1.000	25.40	1.036	26.31	0.035	0.89	50	15.2
PVC-105-1-1/8	1.125	28.58	1.161	29.49	0.010	0.25	50	15.2
PVC-105-1-1/4	1.250	31.75	1.29	32.77	0.040	1.02	50	15.2
PVC-105-1-1/2	1.500	38.10	1.55	39.37	0.045	1.14	50	15.2
PVC-105-2IN	2.000	50.80	2.07	52.58	0.060	1.52	50	15.2
PVC-105-2-1/2	2.500	63.50	2.53	64.26	0.070	1.78	50	15.2



FIT® Wire Management

Flexible Liquid-Tight PVC Tubing

FNT Tubing



UL 1696
CSA C22.2 No. 227.3-05

Operating Temperature

- -18°C to +50°C

Color

- Black

Materials

- Liquid-tight PVC tubing

Chemical Properties

- Corrosive effect: none
- Fungus resistance: no growth
- Resists oil and water
- Lead free

Availability

25 ft (7.5 m)
 100 ft (30.5 m)

PVC Tubing

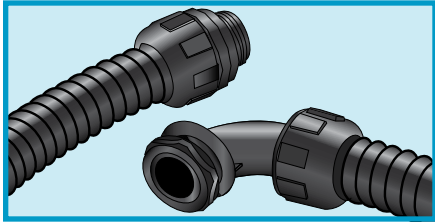
Part No.	Trade Size	Inside Diameter, Min.		Inside Diameter, Max.		Outside Diameter, Min.		Outside Diameter, Max.	
		Inch	mm	Inch	mm	Inch	mm	Inch	mm
FNT-1/4*	1/4	0.385	9.78	0.405	10.29	0.560	14.22	0.575	14.61
FNT-3/8	3/8	0.484	12.29	0.504	12.80	0.690	17.53	0.710	18.03
FNT-1/2	1/2	0.622	15.80	0.642	16.31	0.820	20.83	0.840	21.34
FNT-3/4	3/4	0.820	20.83	0.840	21.34	1.030	26.16	1.050	26.67
FNT-1	1	1.041	26.44	1.066	27.08	1.290	32.77	1.315	33.40

*Not CSA certified



FIT® Wire Management

Liquid-Tight Nylon Connectors SLC or RLC



Part No.		Trade Size	Thread Size
Straight	90°		
SLC-1/4*	—	1/4	—
SLC-3/8	RLC-3/8	3/8	1/2 NPT
SLC-1/2	RLC-1/2	1/2	1/2 NPT
SLC-3/4	RLC-3/4	3/4	3/4 NPT
SLC-1	RLC-1	1	1 NPT

*Snap-on connector, not CSA certified

Operating Temperature

- +125°C

Color

- Black

Materials

- Nylon connector
- Supplied with o-ring and steel locking nut

Properties

- Resists salt water, weak acids, gasoline, alcohol, oil, grease, and common solvents
- Flammability rating: UL 94V-2

Availability

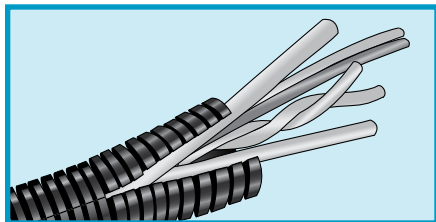
- 10-piece packages
- 100-piece packages



FIT® Wire Management

Convoluted Slit Loom Tubing

Type 492



- Abrasion and fluid resistant
- Light weight
- Easy, flexible cable breakouts

Part No.	Inside Diameter, Min.		Inside Diameter, Max.		Outside Diameter, Min.		Outside Diameter, Max.	
	Inch	mm	Inch	mm	Inch	mm	Inch	mm
492250	0.256	6.50	0.276	7.01	0.373	9.47	0.398	10.11
492350	0.341	8.66	0.38	9.65	0.496	12.60	0.526	13.36
492413	0.399	10.13	0.437	11.10	0.569	14.45	0.597	15.16
492500	0.473	12.01	0.516	13.11	0.664	16.87	0.70	17.78
492625	0.603	15.32	0.639	16.23	0.802	20.37	0.837	21.26
492750	0.707	17.96	0.759	19.28	0.95	24.13	0.989	25.12
492100	1.020	25.91	1.069	27.15	1.251	31.78	1.304	33.12
492150	1.566	39.78	1.647	41.83	1.867	47.42	1.947	49.45
492200	1.969	50.01	2.038	51.77	2.285	58.04	2.388	60.66

Operating Temperature

- -40°C to +93°C

Color

- Black

Material

- Polyethylene

Chemical Properties

- Corrosive effect: none
- Fungus resistance: no growth
- Lead free

Electrical Properties

- Volume resistivity: 10¹⁵ ohm-cm

Availability

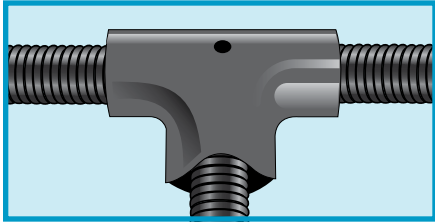
100 ft (30.5 m)



FIT® Wire Management

Loom Tee Connector Fittings

Type 493



Part No.	Mating Loom Size					
	Left		Center		Right	
	Inch	mm	Inch	mm	Inch	mm
493100	0.413 or 0.500	10.49 or 12.70	0.413 or 0.500	10.49 or 12.70	0.413 or 0.500	10.49 or 12.70
493101	0.500	12.70	0.350	8.89	0.750	19.05
493102	0.500	12.70	0.413	10.49	0.750	19.05
493103	0.750	19.05	0.500	12.70	0.750	19.05
493110	0.413	10.49	0.350	8.89	0.350	8.89
493118	1.000	25.40	0.625	15.88	0.100	2.54

Operating Temperature

- -40°C to +90°C

Color

- Black

Material

- Polypropylene

Chemical Properties

- Corrosive effect: none
- Fungus resistance: no growth
- Lead free

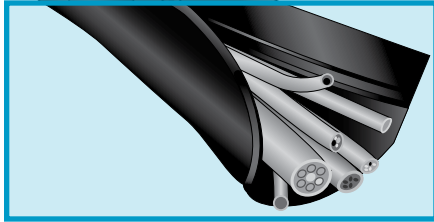
Availability

Single pieces

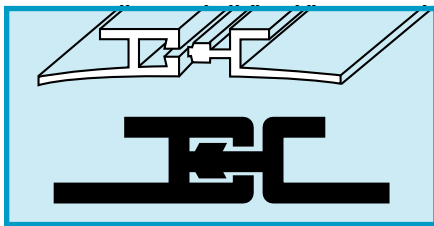
FIT® Wire Management

Zipper Tubing™

ZIP-41



**MIL-I-631
UL 224 VW-1**



Loc-Trac® provides an effective closure that is ideal for use where the assembly will be subjected to random flexing.

Protection against flame, chemicals, and abrasion.

Operating Temperature

- -20°C to +105°C

Color

- Black

Material

- PVC

Physical Properties

- Tensile strength: 1800 psi (12.4 N/mm²)
- Elongation: 200% min.
- Flammability: UL VW-1

Chemical Properties

- Fungus resistance: no growth
- Lead free

Electrical Properties

- Dielectric strength: 700 V/mil (275.8 kV/cm)
- Volume resistivity: 10¹⁰ ohms/cm

Availability

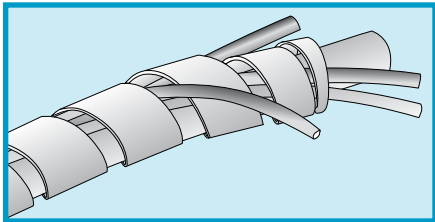
25 ft (30.5 m)
100 ft (30.5 m)

Each spool comes with two Loc-Trac fasteners and installation instructions.

Part No.	Inside Diameter, Nom.		Wall Thickness, Nom.		Flat Width, Nom.	
	Inch	mm	Inch	mm	Inch	mm
ZIP-41-1/2	0.500	12.70	0.020	0.51	2.000	50.80
ZIP-41-5/8	0.625	15.88	0.020	0.51	2.375	60.33
ZIP-41-3/4	0.750	19.05	0.020	0.51	2.750	69.85
ZIP-41-7/8	0.875	22.23	0.020	0.51	3.125	79.38
ZIP-41-1IN	1.000	25.40	0.020	0.51	3.562	90.47
ZIP-41-1-1/4	1.250	31.75	0.020	0.51	4.125	104.78
ZIP-41-1-1/2	1.500	38.10	0.020	0.51	4.875	123.83
ZIP-41-1-3/4	1.750	44.45	0.020	0.51	5.625	142.88
ZIP-41-2IN	2.000	50.80	0.020	0.51	6.375	161.93
ZIP-41-2-1/4	2.250	57.15	0.020	0.51	7.500	190.50
ZIP-41-3IN	3.000	76.20	0.020	0.51	10.000	254.00

FIT® Wire Management

Spiral Wrap Tubing SW



- Flexible cable bundling
- Easy breakouts

See table for specifications

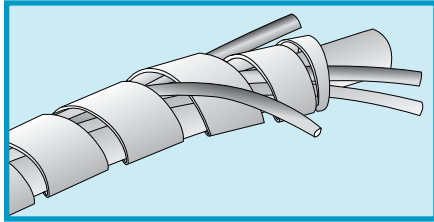
	SW-1 to SW-6	SW-10 to SW-14	SW-20 to SW-25	SW-30 to SW-35	SW-40 to SW-45	SW-50 to SW-53
Material	Natural Polyethylene	Flame-Retardant Polyethylene	Nylon	PTFE	UV-Resistant Polyethylene	PVC
Colors	Natural	White	Natural	Natural, Black	Black	Black
Temperature Range (°C)	-66 to +88	-20 to +80	-40 to +121	-268 to +260	-66 to +88	-20 to +80
Abrasion Resistance (Taber)	22	27	6 - 8	7	20	Excellent
Flame Rating	Not rated	UL 1441 Self-extinguishing	Self-extinguishing	UL VW-1	Not rated	Self-extinguishing
Tensile Strength (psi (N/mm²))	1800 (12.41)	1300 (8.96)	12,000 (82.74)	3000 (20.68)	2000 (13.79)	3000 (20.68)
Water Absorption (%)	0.014	0.02	1.5	0.005	0.03	—
Dielectric Constant (Max.)	—	2.58	4.0	2.1	—	—
Effects of Alkalis and Acids	None	None	None	None	None	Satisfactory*
Weather Resistance	N/A	N/A	N/A	Excellent	N/A	N/A
Specs	UL UZKX2 MIL-I-631D, Type A, Form U MIL-P-21922B ASTM 1248-65T Type 1 Class A, Grade 3 A-A-59602, Type 1, Class 1	UL UZKX2 A-A-59602, Type 1, Class 3	UL UZKX2 ASTM-D-4066, Group 2, Class 1	UL UZKX2 ASTM-D-3295-01, Group 4 A-A-59602, Type 3, Class 1 (as noted)	UL UZKX2 MIL-I-631D, Type A, Form U MIL-P-21922B, Type 1 Class L A-A-59602, Type 1, Class 2	—

*Satisfactory except for high concentrations; not recommended for organic solvents.

FIT® Wire Management

Spiral Wrap Tubing

SW



- Flexible cable bundling
- Easy breakouts

See table for specifications

Part No.	Material	Trade Size	Outside Diameter, Nom.		Wall Thickness, Nom.		Right-Hand Pitch, Nom.		Standard Put-Ups*	
			Inch	mm	Inch	mm	Inch	mm	Ft	m
SW-1	Natural PE	1/8	0.125	3.18	0.032	0.81	0.187	4.75	25, 100, 500	7.6, 30.5, 152
SW-2	Natural PE	1/4	0.250	6.35	0.045	1.14	0.375	9.53	25, 100, 500	7.6, 30.5, 152
SW-3	Natural PE	3/8	0.375	9.53	0.052	1.32	0.438	11.13	25, 100	7.6, 30.5
SW-4	Natural PE	1/2	0.500	12.70	0.062	1.57	0.563	14.30	25, 100	7.6, 30.5
SW-5	Natural PE	3/4	0.750	19.05	0.065	1.65	0.750	19.05	25, 100, 500	7.6, 30.5, 152
SW-6	Natural PE	1	1.000	25.40	0.080	2.03	1.000	25.40	25, 100, 500	7.6, 30.5, 152
SW-10	FR PE	1/8	0.125	3.18	0.032	0.81	0.187	4.75	25, 100, 500	7.6, 30.5, 152
SW-11	FR PE	1/4	0.250	6.35	0.045	1.14	0.375	9.53	25, 100, 500	7.6, 30.5, 152
SW-12	FR PE	3/8	0.375	9.53	0.052	1.32	0.438	11.13	25, 100	7.6, 30.5
SW-13	FR PE	1/2	0.500	12.70	0.062	1.57	0.563	14.30	25, 100	7.6, 30.5
SW-14	FR PE	3/4	0.750	19.05	0.065	1.65	0.750	19.05	25, 100	7.6, 30.5
SW-20	Nylon	1/8	0.125	3.18	0.015	0.38	0.187	4.75	25, 100, 500	7.6, 30.5, 152
SW-21	Nylon	1/4	0.250	6.35	0.025	0.64	0.375	9.53	25, 100, 500	7.6, 30.5, 152
SW-22	Nylon	3/8	0.375	9.53	0.035	0.89	0.438	11.13	25, 100	7.6, 30.5
SW-23	Nylon	1/2	0.500	12.70	0.035	0.89	0.500	12.70	25, 100	7.6, 30.5
SW-24	Nylon	3/4	0.750	19.05	0.032	0.81	0.750	19.05	25, 100, 500	7.6, 30.5, 152
SW-25	Nylon	1	1.000	25.40	0.032	0.81	1.000	25.40	25, 100	7.6, 30.5
SW-30	PTFE	1/8	0.125	3.18	0.030	0.76	0.187	4.75	25, 100	7.6, 30.5
SW-31	PTFE	1/4	0.250	6.35	0.030	0.76	0.375	9.53	25, 100	7.6, 30.5
SW-32**	PTFE	3/8	0.375	9.53	0.030	0.76	0.438	11.13	25, 100	7.6, 30.5
SW-33**	PTFE	1/2	0.500	12.70	0.030	0.76	0.500	12.70	25, 100	7.6, 30.5
SW-34**	PTFE	3/4	0.750	19.05	0.032	0.81	0.750	19.05	25, 100	7.6, 30.5
SW-35	PTFE	1	1.000	25.40	0.040	1.02	1.000	25.40	25, 100	7.6, 30.5
SW-40	UV-Res. PE	1/8	0.125	3.18	0.032	0.81	0.187	4.75	25, 100, 500	7.6, 30.5, 152
SW-41	UV-Res. PE	1/4	0.250	6.35	0.045	1.14	0.375	9.53	25, 100, 500	7.6, 30.5, 152
SW-42	UV-Res. PE	3/8	0.375	9.53	0.052	1.32	0.438	11.13	25, 100	7.6, 30.5
SW-43	UV-Res. PE	1/2	0.500	12.70	0.062	1.57	0.500	12.70	25, 100	7.6, 30.5
SW-44	UV-Res. PE	3/4	0.750	19.05	0.065	1.65	0.750	19.05	25, 100, 500	7.6, 30.5, 152
SW-45	UV-Res. PE	1	1.000	25.40	0.080	2.03	1.000	25.40	25, 100, 500	7.6, 30.5, 152
SW-50	PVC	1/8	0.125	3.18	0.032	0.81	0.187	4.75	25, 100	7.6, 30.5
SW-51	PVC	1/4	0.250	6.35	0.045	1.14	0.375	9.53	25, 100	7.6, 30.5
SW-52	PVC	3/8	0.375	9.53	0.052	1.32	0.438	11.13	25, 100	7.6, 30.5
SW-53	PVC	1/2	0.500	12.70	0.062	1.57	0.500	12.70	25, 100	7.6, 30.5

*May contain multiple lengths.

**Does not meet A-A-59602 Type 3 Class 1

