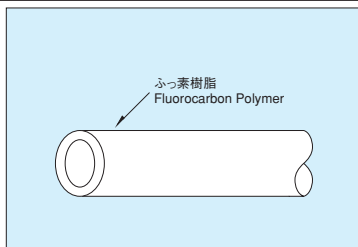
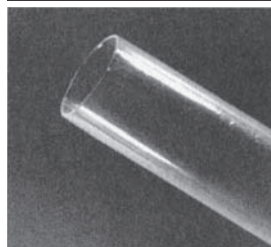


UL規格品

UL APPROVED PRODUCTS

FEPチューブ FEP TUBING FTU



構造 　ふっ素樹脂(FEP)を押し出し成形したチューブ。
特徴 　耐熱性、耐寒性に優れ、電氣的、機械的、
 化学的に極めて高い特性を持つ。
その他 　UL224 (FILE NO.E84256) を取得して
 います。VW-1合格。
 定格温度200℃。標準色は自然色(半透
 明)です。
 定格電圧 　FTU-1 : 150V
 　　　　　　FTU-2 : 300V
 　　　　　　FTU-3 : 600V

STRUCTURE 　Extruded Fluorocarbon
 polymer (FEP) tubing.
FEATURES 　Excellent heat and cold
 resistance, excellent electrical, mechanical
 properties, and superior chemical properties.
REMARKS 　UL224 (File No.E84256)VW-1.
 Temperature Rating : 200°C.
 Standard color is natural color.
 Voltage rating FTU-1 : 150V FTU-2 : 300V
 　　　　　　　FTU-3 : 600V

品名 Type	FTU-1 150V 200°C				FTU-2 300V 200°C				FTU-3 600V 200°C			
	内径 Inner Diameter	肉厚 Wall Thickness		標準条長	内径 Inner Diameter	肉厚 Wall Thickness		標準条長	内径 Inner Diameter	肉厚 Wall Thickness		標準条長
サイズ Size	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)
AWG24	0.56	0.114	0.163	100	0.56	0.229	0.356	100	0.56	0.305	0.444	100
AWG23	0.64	"	"	"	0.64	"	"	"	0.64	"	"	"
AWG22	0.69	"	"	"	0.69	"	"	"	0.69	"	"	"
AWG21	0.79	"	"	"	0.79	"	"	"	0.79	0.381	0.544	"
AWG20	0.86	"	"	"	0.86	"	"	"	0.86	"	"	"
AWG19	0.97	"	"	"	0.97	"	"	"	0.97	"	"	"
AWG18	1.07	"	"	"	1.07	"	"	"	1.07	"	"	"
AWG17	1.19	"	"	"	1.19	"	"	"	1.19	0.406	0.657	"
AWG16	1.34	"	"	"	1.34	"	"	"	1.34	"	"	"
AWG15	1.50	"	"	"	1.50	"	"	"	1.50	"	"	"
AWG14	1.68	0.165	0.230	"	1.68	"	"	"	1.68	"	"	"
AWG13	1.93	"	"	"	1.93	"	"	"	1.93	"	"	"
AWG12	2.16	"	"	"	2.16	"	"	"	2.16	"	"	"
AWG11	2.41	"	"	"	2.41	"	"	"	2.41	"	"	"
AWG10	2.69	"	"	"	2.69	"	"	"	2.69	"	"	"
AWG 9	3.00	"	"	"	3.00	0.279	0.402	"	3.00	0.483	0.690	"
AWG 8	3.38	"	"	"	3.38	"	"	"	3.38	"	"	"
AWG 7	3.76	0.179	0.256	"	3.76	"	"	"	3.76	"	"	"
AWG 6	4.22	0.203	0.290	"	4.22	"	"	"	4.22	"	"	"
AWG 5	4.72	"	"	"	4.72	"	"	"	4.72	"	"	"
AWG 4	5.28	"	"	"	5.28	"	"	"	5.28	"	"	"
AWG 3	5.94	"	"	"	5.94	"	"	"	5.94	"	"	"
AWG 2	6.68	"	"	20	6.68	"	"	"	6.68	"	"	"
AWG 1	7.47	0.229	0.327	"	7.47	"	"	"	7.47	"	"	"
AWG 0	8.38	0.279	0.402	1	8.38	0.356	0.509	20	8.38	0.508	0.726	20
inch5/16	7.92	"	"	"	7.92	"	"	"	7.92	"	"	"
inch3/ 8	9.53	"	"	"	9.53	"	"	"	9.53	"	"	"
inch7/16	11.10	"	"	"	11.10	"	"	1	11.10	0.559	0.799	"
inch1/ 2	12.70	"	"	"	12.70	"	"	"	12.70	"	"	"
inch9/16	14.30	0.356	0.509	"	14.30	0.432	0.618	"	14.30	0.635	0.910	1
inch5/ 8	15.90	"	"	"	15.90	"	"	"	15.90	"	"	"
inch3/ 4	19.10	0.381	0.544	"	19.10	0.508	0.726	"	19.10	0.762	1.088	"

色 COLOR 自然色以外の色については別途御相談願います。
 Please inquire for information concerning other colors than natural color.

御用命には ORDER 例) 形式 Type FTU-2 サイズ Size AWG10 色 Color 青 Blue と御指定願います。
 Please designate these items in such a manner.

ETFEチューブ ETFE TUBING EFTU

構造 　ふっ素樹脂(ETFE)を押し出し成形したチューブ。
特徴 　耐熱性、耐寒性に優れ、電氣的、機械的、
 化学的に極めて高い特性を持ち、特に機
 械的強度に優れている。
その他 　UL規格 (File No.E67922) 認定品
 VW-1合格。定格温度150℃。
 標準色は自然色(半透明)です。
 定格電圧 　EFTU-1 : 150V
 　　　　　　EFTU-2 : 300V
 　　　　　　EFTU-3 : 600V

STRUCTURE 　Extruded Fluorocarbon
 polymer (ETFE) tubing.
FEATURES 　Excellent heat and cold resistance,
 excellent electrical, mechanical and chemical
 properties. Especially high mechanical strength.
REMARKS 　Complies with UL File No.
 E67922, VW-1. Temperature Rating : 150°C.
 Standard color is natural color.
 Voltage rating EFTU-1 : 150V EFTU-2 : 300V
 　　　　　　　EFTU-3 : 600V

PFAチューブ PFA TUBING CFTU

構造 　ふっ素樹脂(PFA)を押し出し成形したチューブ。
特徴 　耐熱性、耐寒性に優れ、電氣的、機械的、
 化学的に極めて高い特性を持つ。
その他 　UL規格 (File No.E67922) 認定品
 VW-1合格。定格温度250℃。
 標準色は自然色(半透明)です。
 定格電圧 　CFTU-1 : 150V
 　　　　　　CFTU-2 : 300V
 　　　　　　CFTU-3 : 600V

STRUCTURE 　Extruded Fluorocarbon
 polymer (PFA) tubing.
FEATURES 　Excellent heat and cold resistance,
 excellent electrical, mechanical and chemical properties.
REMARKS 　Complies with UL File No.
 E67922, VW-1. Temperature Rating : 250°C.
 Standard color is natural color.
 Voltage rating CFTU-1 : 150V CFTU-2 : 300V
 　　　　　　　CFTU-3 : 600V

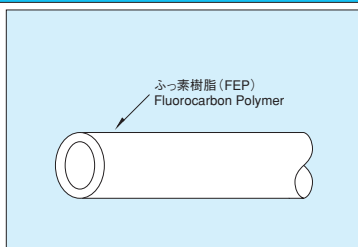
EFTU/CFTU													
品名 Type	EFTU-1 150V 150°C / CFTU-1 150V 250°C				EFTU-2 300V 150°C / CFTU-2 300V 250°C				EFTU-3 600V 150°C / CFTU-3 600V 250°C				
サイズ Size	内径 Inner Diameter		肉厚 Wall Thickness		内径 Inner Diameter		肉厚 Wall Thickness		内径 Inner Diameter		肉厚 Wall Thickness		
	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	
AWG20	0.86	0.229	0.327	100	0.86	0.229	0.327	100	0.86	0.381	0.544	100	
AWG19	0.97	"	"	"	0.97	"	"	"	0.97	"	"	"	
AWG18	1.07	"	"	"	1.07	"	"	"	1.07	"	"	"	
AWG17	1.19	"	"	"	1.19	"	"	"	1.19	0.406	0.657	"	
AWG16	1.34	"	"	"	1.34	"	"	"	1.34	"	"	"	
AWG15	1.50	"	"	"	1.50	"	"	"	1.50	"	"	"	
AWG14	1.68	"	"	"	1.68	"	"	"	1.68	"	"	"	
AWG13	1.93	"	"	"	1.93	"	"	"	1.93	"	"	"	
AWG12	2.16	"	"	"	2.16	"	"	"	2.16	"	"	"	
AWG11	2.41	"	"	"	2.41	"	"	"	2.41	"	"	"	
AWG10	2.69	"	"	"	2.69	"	"	"	2.69	"	"	"	
AWG 9	3.00	"	"	"	3.00	0.279	0.402	"	3.00	0.483	0.690	"	
AWG 8	3.38	"	"	"	3.38	"	"	"	3.38	"	"	"	
AWG 7	3.76	"	"	"	3.76	"	"	"	3.76	"	"	"	
AWG 6	4.22	"	"	"	4.22	"	"	"	4.22	"	"	"	
AWG 5	4.72	"	"	"	4.72	"	"	"	4.72	"	"	"	
AWG 4	5.28	"	"	"	5.28	"	"	"	5.28	"	"	"	
AWG 3	5.94	"	"	"	5.94	"	"	"	5.94	"	"	"	
AWG 2	6.68	"	"	20	6.68	"	"	"	6.68	"	"	"	
AWG 1	7.47	"	"	"	7.47	"	"	"	7.47	"	"	"	
AWG 0	8.38	0.279	0.402	1	8.38	0.356	0.509	20	8.38	0.508	0.726	20	
inch5/16	7.92	"	"	"	7.92	"	"	"	7.92	"	"	"	
inch3/ 8	9.53	"	"	"	9.53	"	"	"	9.53	"	"	"	
inch7/16	11.10	"	"	"	11.10	"	"	1	11.10	0.559	0.799	"	
inch1/ 2	12.70	"	"	"	12.70	"	"	"	12.70	"	"	"	
inch9/16	14.30	0.356	0.509	"	14.30	0.432	0.618	"	14.30	0.635	0.910	1	
inch5/ 8	15.90	"	"	"	15.90	"	"	"	15.90	"	"	"	
inch3/ 4	19.10	0.381	0.544	"	19.10	0.508	0.726	"	19.10	0.762	1.090	"	

PTFEチューブ PTFE TUBING **TFTU**

構造 ふっ素樹脂 (PTFE) を押し出し成形したチューブ。
特徴 耐熱性、耐寒性に優れ、電氣的、機械的、化学的に極めて高い特性を持つ。定格温度以上でも絶縁体が溶解せず安全性が高い。
その他 UL224 (File No.E84256), VW-1認定品 定格温度200°C。
 標準色は自然色 (半透明) です。
 定格電圧 TFTU-1 : 150V
 TFTU-2 : 300V
 TFTU-3 : 600V

STRUCTURE Extruded Fluorocarbon polymer (PTFE) tubing.
FEATURES Flexibility and excellent resistance to heat and cold. Outstanding electrical, mechanical and chemical properties. Safe insulation will not melt even when used at above rated temperature.
REMARKS Complies with UL224, File No. E84256, VW-1. Temperature Rating : 200°C. Standard color is natural color.
 Voltage rating TFTU-1 : 150V TFTU-2 : 300V TFTU-3 : 600V

品名 Type	TFTU-1 150V 200°C					TFTU-2 300V 200°C					TFTU-3 600V 200°C				
サイズ Size	内径 Inner Diameter		肉厚 Wall Thickness		標準条長 Normal Length (m)	内径 Inner Diameter		肉厚 Wall Thickness		標準条長 Normal Length (m)	内径 Inner Diameter		肉厚 Wall Thickness		標準条長 Normal Length (m)
	標準 Standard (mm)	標準 Standard (mm)	最小 Minimum (mm)	仕上り外径 Standard Outer Diameter (mm)		標準 Standard (mm)	標準 Standard (mm)	最小 Minimum (mm)	仕上り外径 Standard Outer Diameter (mm)		標準 Standard (mm)	標準 Standard (mm)	最小 Minimum (mm)	仕上り外径 Standard Outer Diameter (mm)	
AWG24	0.56	0.256	0.179	1.07	50	0.56	0.327	0.229	1.21	50	0.56	0.444	0.305	1.45	50
AWG23	0.64	"	"	1.15	"	0.64	"	"	1.29	"	0.64	"	"	1.53	"
AWG22	0.69	"	"	1.20	"	0.69	"	"	1.34	"	0.69	"	"	1.58	"
AWG21	0.79	"	"	1.30	"	0.79	"	"	1.44	"	0.79	0.544	0.381	1.88	"
AWG20	0.86	"	"	1.37	"	0.86	"	"	1.51	"	0.86	"	"	1.95	"
AWG19	0.97	"	"	1.48	"	0.97	"	"	1.52	"	0.97	"	"	2.06	"
AWG18	1.07	"	"	1.56	"	1.07	"	"	1.72	"	1.07	"	"	2.16	"
AWG17	1.19	"	"	1.70	"	1.19	"	"	1.84	"	1.19	0.657	0.406	2.50	"
AWG16	1.34	"	"	1.85	"	1.34	"	"	1.99	"	1.34	"	"	2.65	"
AWG15	1.50	"	"	2.01	"	1.50	"	"	2.15	"	1.50	"	"	2.81	"
AWG14	1.68	"	"	2.19	"	1.68	"	"	2.33	"	1.68	"	"	2.99	"
AWG13	1.93	"	"	2.44	"	1.93	"	"	2.58	"	1.93	"	"	3.24	"
AWG12	2.16	"	"	2.67	"	2.16	"	"	2.81	"	2.16	"	"	3.47	"
AWG11	2.41	"	"	2.92	"	2.41	"	"	3.06	"	2.41	"	"	3.72	"
AWG10	2.69	"	"	3.20	"	2.69	"	"	3.34	"	2.69	"	"	4.00	"
AWG 9	3.00	"	"	3.51	"	3.00	0.402	0.279	3.80	"	3.00	0.690	0.483	4.38	"
AWG 8	3.38	"	"	3.89	"	3.38	"	"	4.18	"	3.38	"	"	4.76	"
AWG 7	3.76	"	"	4.27	"	3.76	"	"	4.56	"	3.76	"	"	5.14	"
AWG 6	4.22	0.290	0.203	4.80	"	4.22	"	"	5.02	"	4.22	"	"	5.60	"
AWG 5	4.72	"	"	5.30	"	4.72	"	"	5.52	"	4.72	"	"	6.10	"
AWG 4	5.28	"	"	5.85	"	5.28	"	"	6.08	"	5.28	"	"	6.66	"
AWG 3	5.94	"	"	6.52	"	5.94	"	"	6.74	"	5.94	"	"	7.32	"
AWG 2	6.68	"	"	7.26	"	6.68	"	"	7.48	"	6.68	"	"	8.06	20
AWG 1	-----	-----	-----	-----	----	7.47	"	"	8.27	20	7.47	"	"	8.95	"
AWG 0	-----	-----	-----	-----	----	8.38	0.509	0.356	9.40	"	8.38	0.726	0.508	9.83	"
inch5/16	-----	-----	-----	-----	----	7.92	"	"	8.94	"	7.92	"	"	9.37	"



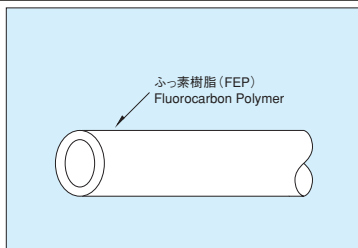
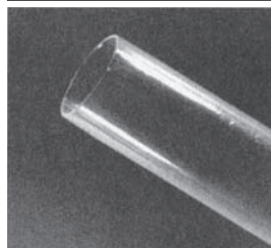
構造 　ふっ素樹脂 (FEP) 製の熱収縮チューブ。
特徴 　耐熱性、耐寒性に優れ、電気的、機械的、化学的に極めて高い特性を持つ。
　　　推奨する熱収縮温度150℃
その他 UL224 (File No.E84256) 認定品VW-1
　　　定格温度200℃。
　　　定格電圧　FSTU-1 : 150V
　　　　　　　FSTU-2 : 300V
　　　　　　　FSTU-3 : 600V
　　　標準色は自然色 (半透明) です。

STRUCTURE Heat Shrinkable extruded Fluorocarbon polymer (FEP) tubing.
FEATURES Excellent heat and cold resistance, excellent electrical, mechanical, and chemical properties. Suitable shrink temperature : 150℃.
REMARKS Complies with UL224 File No.E84256 VW-1. Temperature Rating : 200℃. Voltage rating FSTU-1 : 150V, FSTU-2 : 300V, FSTU-3 : 600V

サイズ Size	収縮前内径最小値 Inner Diameter Before Shrinking Minimum (mm)	収縮後内径最大値 Inner Diameter After Shrinking Maximum (mm)	収縮後標準肉厚 Standard Wall Thickness After Shrinking (mm)			標準条長 Normal Length (m)
			FSTU-1 150V	FSTU-2 300V	FSTU-3 600V	
inch						
3/32	2.36	1.77	0.230	-----	-----	1
1/8	3.18	2.38	"	-----	-----	"
3/16	4.75	3.56	"	0.402	-----	"
1/4	6.35	4.76	0.290	"	-----	"
3/8	9.53	7.14	0.327	"	0.690	"
1/2	12.7	9.53	0.402	0.509	0.799	"
3/4	19.1	14.3	0.509	0.618	0.981	"
1	25.4	19.1	0.544	0.726	1.09	"
mm						
2.5	2.5	1.88	0.230	-----	-----	1
3.0	3.0	2.25	"	-----	-----	"
4.0	4.0	3.00	"	-----	-----	"
5.0	5.0	3.75	0.290	0.402	-----	"
6.0	6.0	4.50	"	"	-----	"
8.0	8.0	6.00	0.327	"	0.690	"
10.0	10.0	7.50	0.402	0.509	0.799	"
12.0	12.0	9.00	"	"	"	"
16.0	16.0	12.00	0.509	0.618	0.981	"
20.0	20.0	15.00	0.544	0.726	1.09	"
26.0	26.0	19.50	0.618	1.090	1.24	"

CSA規格品

CSA APPROVED PRODUCTS



構造 　ふっ素樹脂を押し出し成形したチューブ。
特徴 　耐熱性、耐寒性に優れ、電気的、機械的、化学的に極めて高い特性を持つ。
その他 C22.2 No.198.1 (File No.LR83665)
　　　連続使用温度 200℃。
　　　定格電圧は300V及び600V。
　　　FTC-2...300V
　　　FTC-3...600V
　　　標準色は自然色 (半透明) です。

STRUCTURE Extruded Fluorocarbon polymer (FEP) tubing.
FEATURES Excellent heat and cold resistance, excellent electrical, mechanical, and chemical properties.
REMARKS C22.2 No.198.1 (File No.LR83665) Can be used continuously at 200℃. Voltage rating FTC-2 : 300V, FTC-3 : 600V. Standard color is natural color.

品名 Type	FTC-2 300V 200℃				FTC-3 600V 200℃			
	内径 Inner Diameter		肉厚 Wall Thickness		内径 Inner Diameter		肉厚 Wall Thickness	
サイズ Size	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)	標準 Standard (mm)	最小 Minimum (mm)	標準 Standard (mm)	標準条長 Normal Length (m)
AWG24	0.56	0.23	0.327	100	0.56	0.31	0.444	100
AWG23	0.64	"	"	"	0.64	"	"	"
AWG22	0.67	"	"	"	0.67	"	"	"
AWG21	0.79	"	"	"	0.79	0.38	0.544	"
AWG20	0.86	"	"	"	0.86	"	"	"
AWG19	0.97	"	"	"	0.97	"	"	"
AWG18	1.07	"	"	"	1.07	"	"	"
AWG17	1.19	"	"	"	1.19	0.41	0.657	"
AWG16	1.34	"	"	"	1.34	"	"	"
AWG15	1.50	"	"	"	1.50	"	"	"
AWG14	1.68	"	"	"	1.68	"	"	"
AWG13	1.93	"	"	"	1.93	"	"	"
AWG12	2.16	"	"	"	2.16	"	"	"
AWG11	2.41	"	"	"	2.41	"	"	"
AWG10	2.69	"	"	"	2.69	"	"	"
AWG 9	3.00	0.28	0.402	"	3.00	0.48	0.690	"
AWG 8	3.38	"	"	"	3.38	"	"	"
AWG 7	3.76	"	"	"	3.76	"	"	"
AWG 6	4.22	"	"	"	4.22	"	"	"
AWG 5	4.72	"	"	"	4.72	"	"	"
AWG 4	5.28	"	"	"	5.28	"	"	"
AWG 3	5.94	"	"	"	5.94	"	"	"
AWG 2	6.68	"	"	"	6.68	"	"	"
AWG 1	7.47	"	"	"	7.47	"	"	"
AWG 0	8.38	0.36	0.509	20	8.38	0.51	0.726	20
inch5/16	7.92	"	"	"	7.92	"	"	"
inch3/ 8	9.53	"	"	"	9.53	"	"	"
inch7/16	11.10	"	"	1	11.10	0.56	0.799	"
inch1/ 2	12.70	"	"	"	12.70	"	"	"