



Daburn Electronics & Cable
 44 Richboynton Road
 Dover, NJ 07801

Ultra-Flexible Microminiature FEP High Temp Wire

Ultra flexible high strand count silver plated copper conductor insulated with a 3.5 mil wall of non-hygroscopic fluoropolymer (FEP). On the 18 AWG and 20 AWG the wall is 5.0 mil. This wire carries a 200°C temperature rating. Used for critical physiological and medical applications where small diameters, long flex-life and non-toxic insulations are of primary consideration. It's designed for long usage in flow probes and pressure measuring instruments. It also withstands severe, repeated flexing in very high and low temperatures. Ideal for any environment where high temperature protection, flexibility, wire thinness, and a smooth, low coefficient of friction insulated wire is desired.

Description: Single conductor stranded silver plated copper insulated with non-hygroscopic fluoropolymer (FEP) insulation. This construction allows for a uniform, flexible, concentric, quality construction.

Operating Temperature: -150°C to +200°C

Voltage Rating: 150 Volts.

This series is RoHS compliant.

Catalog Number	AWG	Strand	Nom. Wall		Nom. O.D.	
			Inches	mm	Inches	mm
2421/18	18	413/44	.005	0.127	0.060	1.524
2421/20	20	259/44	.005	0.127	0.050	1.270
2421/28	28	65/46	.0035	0.089	0.022	0.559
2421/29	29	52/46	.0035	0.089	0.020	0.508
2421/30	30	41/46	.0035	0.089	0.019	0.483
2421/32	32	65/50	.0035	0.089	0.016	0.406
2421/34	34	41/50	.0035	0.089	0.014	0.356
2421/36	36	26/50	.0035	0.089	0.013	0.330
2421/38	38	17/50	.0035	0.089	0.012	0.305
2421/40	40	10/50	.0035	0.089	0.011	0.279

Standard Put-Ups: 1,000 FT, 500 FT, 100 FT.

Available in 10 standard colors.

Additional strand constructions are available. 50 AWG strands are made with very fine strands of hard copper. 46 AWG or 48 AWG strand constructions of very fine soft copper are also available for all sizes.