



#2477 PFA High Voltage Wire UL 1911 (250°C)

Perfluoroalkoxy Copolymer (PFA) high voltage wire. This wire achieves high voltage protection due to the excellent dielectric properties of PFA and therefore has smaller diameters than other high voltage wires. PFA also has a high stress crack resistance and retains its toughness and flexibility even at higher temperatures up to 250°C. This wire is very resistant to chemicals including transformer oils. It has a low coefficient of friction, low flammability, negligible moisture absorption, and excellent resistance to ozone, sunlight, and weather.

- Very Good Mechanical Strength and Abrasion Resistance
- Excellent Electrical Insulating Properties
- Excellent Thermal Stability
- Resistant to Chemicals and Solvents
- Heat, Age, & Ozone Resistant
- Good Flexibility
- Thin Walls for Weight and Space Savings
- Good Lubricity (low coefficient of friction)

This series is RoHS compliant.

Description: Stranded nickel plated soft copper conductors insulated with PFA.

Operating Temperature: -65°C to +250°C

Daburn Cat. No.	AWG	Stranding	Nom. Wall		Nom. O.D.		KV DC Rating
			IN	MM	IN	MM	
2477/24-3	24	7/32	.018"	0.45	.059"	1.51	3
2477/24-10	24	7/32	.022"	0.55	.067"	1.71	10
2477/24-20	24	7/32	.024"	0.60	.071"	1.81	20
2477/24-30	24	7/32	.031"	0.78	.085"	2.17	30
2477/24-50	24	7/32	.039"	1.00	.103"	2.61	50
2477/22-3	22	19/34	.018"	0.45	.065"	1.66	3
2477/22-10	22	19/34	.022"	0.55	.073"	1.86	10
2477/22-20	22	19/34	.024"	0.60	.077"	1.96	20
2477/22-30	22	19/34	.031"	0.78	.091"	2.32	30
2477/22-50	22	19/34	.039"	1.00	.109"	2.76	50
2477/20-3	20	19/32	.018"	0.45	.073"	1.85	3
2477/20-10	20	19/32	.022"	0.55	.081"	2.05	10



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Daburn Cat. No.	AWG	Stranding	Nom. Wall		Nom. O.D.		KV DC Rating
			IN	MM	IN	MM	
2477/20-20	20	19/32	.024"	0.60	.085"	2.15	20
2477/20-30	20	19/32	.031"	0.78	.099"	2.51	30
2477/20-50	20	19/32	.039"	1.00	.116"	2.95	50
2477/18-3	18	19/30	.018"	0.45	.082"	2.08	3
2477/18-10	18	19/30	.022"	0.55	.090"	2.28	10
2477/18-20	18	19/30	.024"	0.60	.094"	2.38	20
2477/18-30	18	19/30	.031"	0.78	.108"	2.74	30
2477/18-50	18	19/30	.039"	1.00	.125"	3.18	50
2477/16-3	16	19/29	.018"	0.45	.094"	2.40	3
2477/16-10	16	19/29	.022"	0.55	.102"	2.60	10
2477/16-20	16	19/29	.024"	0.60	.106"	2.70	20
2477/16-30	16	19/29	.031"	0.78	.120"	3.06	30
2477/16-50	16	19/29	.039"	1.00	.138"	3.50	50
2477/14-3	14	19/27	.018"	0.45	.108"	2.75	3
2477/14-10	14	19/27	.022"	0.55	.116"	2.95	10
2477/14-20	14	19/27	.024"	0.60	.120"	3.05	20
2477/14-30	14	19/27	.031"	0.78	.134"	3.41	30
2477/14-50	14	19/27	.039"	1.00	.152"	3.85	50
2477/12-3	12	19/24	.020"	0.50	.139"	3.52	3
2477/12-10	12	19/24	.024"	0.60	.146"	3.72	10
2477/12-20	12	19/24	.028"	0.70	.154"	3.92	20
2477/12-30	12	19/24	.032"	0.81	.163"	4.14	30
2477/12-50	12	19/24	.043"	1.10	.186"	4.72	50
2477/10-3	10	19/23	.020"	0.50	.160"	4.06	3
2477/10-10	10	19/23	.024"	0.60	.168"	4.26	10
2477/10-20	10	19/23	.028"	0.70	.176"	4.46	20
2477/10-30	10	19/23	.032"	0.81	.184"	4.68	30
2477/10-50	10	19/23	.043"	1.10	.207"	5.26	50

Standard Put-Ups: 1,000 feet, 500 feet, 250 feet.

Standard Colors: Black, White, Red, Green, Yellow, Blue, Brown, Orange, Gray, Violet.