

PTFE Equipment Wire

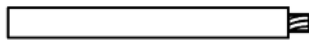
PTFE equipment wire and cable exhibits superior high temperature performance and excellent resistance to organic fluids, acids and chemicals. Its thin-wall construction is the result of the exceptional properties of PTFE and as such offers space and weight savings in high-density wiring and circuitry. IS-Cabletec's PTFE wire is available as a custom specified multicore cable and is available pre-etched to aid encapsulation. PTFE wire and cable is widely used in industrial, aerospace, military and commercial electronics.



Technical Characteristics

Continuous operating temperature	Silver-plated copper -75°C to +200°C Nickel-plated copper -75°C to +260°C
Voltage rating	300V, 600V and 1000 V
Flammability	Non-flammable

Part Numbering System



Primary Wire



Twisted Pair



Screened & Jacketed Single



Screened & Jacketed Pair

T XX XX X X X -X -X

E = Etched

Insulation Colour

0 = Black 3 = Orange 7 = Violet
 1 = Brown 4 = Yellow 8 = Grey
 2 = Red 5 = Green 9 = White
 2L = Pink 6 = Blue
 Stripes use 2/9 = Red with White Stripe
 Twisted pair use 2-6 = Red and Blue

Conductor Type

1 = Silver-plated copper
 2 = Nickel-plated copper
 3 = Tin-plated copper

Voltage Rating

A = 300V B = 600V
 C = 1000V

Construction

0 = Primary wire
 1 = Screened
 2 = Screened & jacketed

Conductor Stranding

1, 7, 19 or 37

Conductor Size (AWG)

Example:

T24190B1-2/9-E = PTFE primary wire, 24AWG, 19/0.120, silver-plated copper, Type B (600V), red with a white stripe, etched

Availability

Standard spools: 100m and 500m

Specifications:

BS 3G210
 MIL-W-16878
 Def Stan 61-12 Pt8
 MIL-W-22759 - Special order
 UL and CSA - Special order



Part Numbering Information

Type A - 300V		Cross-sectional area		Insulation Diameter	
Part No.	AWG	Stranding	(mm ²)	min (mm)	max (mm)
T30010AI-X/X	30	1/0.250	0.049	0.45	0.60
T28010AI-X/X	28	1/0.320	0.078	0.52	0.67
T26010AI-X/X	26	1/0.400	0.126	0.60	0.75
T24010AI-X/X	24	1/0.500	0.196	0.70	0.85
T22010AI-X/X	22	1/0.600	0.283	0.80	0.95
T19010AI-X/X	19	1/0.900	0.636	1.10	1.25
T32070AI-X/X	32	7/0.080	0.035	0.44	0.59
T30070AI-X/X	30	7/0.100	0.055	0.50	0.63
T28070AI-X/X	28	7/0.120	0.086	0.58	0.73
T26070AI-X/X	26	7/0.150	0.124	0.65	0.80
T24070AI-X/X	24	7/0.200	0.220	0.80	0.95
T22070AI-X/X	22	7/0.250	0.344	0.95	1.10
T26190AI-X/X	26	19/0.100	0.149	0.70	0.85
T24190AI-X/X	24	19/0.120	0.233	0.83	0.98
T22190AI-X/X	22	19/0.150	0.336	0.95	1.10
T20190AI-X/X	20	19/0.200	0.597	1.20	1.35

Type B - 600V		Cross-sectional area		Insulation Diameter	
Part No.	AWG	Stranding	(mm ²)	min (mm)	max (mm)
T26010BI-X/X	26	1/0.400	0.126	0.80	1.00
T24010BI-X/X	24	1/0.500	0.196	0.90	1.10
T22010BI-X/X	22	1/0.600	0.283	1.00	1.20
T19010BI-X/X	19	1/0.900	0.636	1.30	1.50
T32070BI-X/X	32	7/0.080	0.035	0.64	0.84
T30070BI-X/X	30	7/0.100	0.055	0.70	0.90
T28070BI-X/X	28	7/0.120	0.086	0.78	0.98
T26070BI-X/X	26	7/0.150	0.124	0.85	1.05
T24070BI-X/X	24	7/0.200	0.220	1.00	1.20
T22070BI-X/X	22	7/0.250	0.344	1.15	1.35
T26190BI-X/X	26	19/0.100	0.149	0.90	1.10
T24190BI-X/X	24	19/0.120	0.233	1.03	1.23
T22190BI-X/X	22	19/0.150	0.336	1.15	1.35
T20190BI-X/X	20	19/0.200	0.597	1.40	1.60
T18190BI-X/X	18	19/0.250	0.933	1.65	1.85

Type C - 1000V		Cross-sectional area		Insulation Diameter	
Part No.	AWG	Stranding	(mm ²)	min (mm)	max (mm)
T19010CI-X/X	19	1/0.900	0.636	1.56	1.82
T32070CI-X/X	32	7/0.080	0.035	0.90	1.16
T30070CI-X/X	30	7/0.100	0.055	0.96	1.22
T28070CI-X/X	28	7/0.120	0.086	1.04	1.30
T26070CI-X/X	26	7/0.150	0.124	1.11	1.37
T24070CI-X/X	24	7/0.200	0.220	1.26	1.52
T22070CI-X/X	22	7/0.250	0.344	1.41	1.67
T26190CI-X/X	26	19/0.100	0.149	1.16	1.42
T24190CI-X/X	24	19/0.120	0.233	1.29	1.55
T22190CI-X/X	22	19/0.150	0.336	1.41	1.67
T20190CI-X/X	20	19/0.200	0.597	1.66	1.92
T18190CI-X/X	18	19/0.250	0.933	1.91	2.17
T16190CI-X/X	16	19/0.300	1.343	2.16	2.46
T14190CI-X/X	14	19/0.335	1.675	2.34	2.74
T13190CI-X/X	13	19/0.400	2.388	2.66	3.06
T12190CI-X/X	12	19/0.450	3.022	2.91	3.31
T16370CI-X/X	16	37/0.200	1.162	2.06	2.36
T10370CI-X/X	10	37/0.400	4.650	3.46	3.86

