



Standard Sizes Available

BS 3G 210 Type C PTFE Insulated Equipment Wire 1000 Volts

PRODUCT DESCRIPTION

PTFE Insulated High Temperature cable for use in Electrical and Electronic Equipment.

PTFE is resistant to lubricants and fuels. It is also very flexible and non flammable

This cable range is particularly suited to applications requiring high levels of thermal and chemical resistance.

PRODUCT CHARACTERISTICS

Conductor:

Solid or stranded annealed copper either silver or nickel plated.

Silver plated conductors – Type C
Nickel plated conductors – Type NC

Insulation:

Extruded PTFE

Voltage Rating:

1000 Volts (r.m.s.)

Temperature Rating:

Maximum Rating:

190°C using silver plated conductors.
260°C using nickel plated conductors

Minimum Rating:

-75°C for fixed installation.
-50°C for continuous flexing.

Colours:

Standard range of solid and Bi-colours as listed in BS 3G 210.

These cables meet the requirements of the RoHS directive.

Type C - Silver Conductor				Cable Diameter		Resistance	Weight
Size	Strand	Area	Diameter	Min	Max	Max	Max
AWG		mm ²	mm	mm	mm	Ω/km	kg/km
32	7/0.08	0.04	0.24	0.9	1.16	558	2.52
30	7/0.10	0.05	0.30	0.96	1.22	353	2.90
28	7/0.12	0.08	0.36	1.02	1.28	244	3.31
26	7/0.15	0.12	0.45	1.11	1.37	159	4.04
26	19/0.10	0.15	0.50	1.16	1.42	130	4.45
24	7/0.20	0.22	0.60	1.26	1.52	88.30	5.42
24	19/0.12	0.21	0.60	1.26	1.52	89.80	5.36
22	19/0.15	0.34	0.75	1.41	1.67	58.60	7.08
20	19/0.20	0.60	1.00	1.66	1.92	32.50	10.33
19	1/0.90	0.64	0.90	1.56	1.82	28.50	9.94
18	19/0.25	0.93	1.25	1.91	2.17	20.60	14.30
16	19/0.30	1.34	1.50	2.16	2.46	14.30	19.25
14	19/0.335	1.67	1.68	2.34	2.74	11.40	23.90
12	19/0.45	3.02	2.25	2.91	3.31	6.28	38.50
10	37/0.40	4.65	2.80	3.46	3.86	4.01	56.00

Type NC - Nickel Conductor				Cable Diameter		Resistance	Weight
Size	Strand	Area	Diameter	Min	Max	Max	Max
AWG		mm ²	mm	mm	mm	Ω/km	kg/km
32	7/0.08	0.04	0.24	0.9	1.16	605	2.52
30	7/0.10	0.05	0.30	0.96	1.22	377	2.90
28	7/0.12	0.08	0.36	1.02	1.28	258	3.31
26	7/0.15	0.12	0.45	1.11	1.37	166	4.04
26	19/0.10	0.15	0.50	1.16	1.42	139	4.45
24	7/0.20	0.22	0.60	1.26	1.52	91.20	5.42
24	19/0.12	0.21	0.60	1.26	1.52	94.90	5.36
22	19/0.15	0.34	0.75	1.41	1.67	61.30	7.08
20	19/0.20	0.60	1.00	1.66	1.92	33.60	10.33
19	1/0.90	0.64	0.90	1.56	1.82	28.60	9.94
18	19/0.25	0.93	1.25	1.91	2.17	21.20	14.30
16	19/0.30	1.34	1.50	2.16	2.46	14.60	19.25
14	19/0.335	1.67	1.68	2.34	2.74	11.60	23.90
12	19/0.45	3.02	2.25	2.91	3.31	6.38	38.50
10	37/0.40	4.65	2.80	3.46	3.86	4.08	56.00

The information contained in this document is valid and correct at the time of issue. However, we reserve the right to modify details without notice in the light of subsequent Standard / Specification changes and ongoing technical developments. Diagram colours are used for representation only.