



# PTFE BS 3G210 Wire

Wiring Harness Components and Associated Products

Polytetrafluoroethylene (PTFE) is a fluorocarbon polymer insulation material that allows wiring systems to be used and operated in the most demanding of environments.

PTFE is resistant to lubricants and fuels, very flexible, plus it has excellent thermal and electrical properties. Particularly suitable for applications requiring high levels of thermal and chemical resistance.

## Features & Benefits:

- Very high dielectric performance
- Non flammable / Flame retardant
- Excellent chemical resistance
- Silver and Nickel plated conductors
- Water repellent

## Operating Temperature:

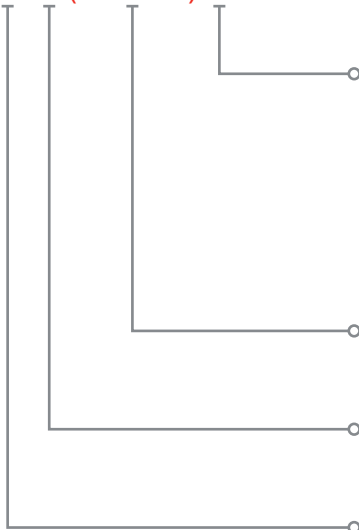
- -75°C to +190°C (Silver plated Cu)
- -75°C to +260°C (Nickel plated Cu)

## Voltage Rating:

- 300, 600 & 1000 volts (rms)

## Ordering Information:

3G210-A-20(19/0.20)-6 Part Numbering example



## Colour Code:

0	Black	6	Blue
1	Brown	7	Violet
2	Red	8	Grey
3	Orange	9	White
4	Yellow	2L	Pink
5	Green		

## Conductor Stranding:

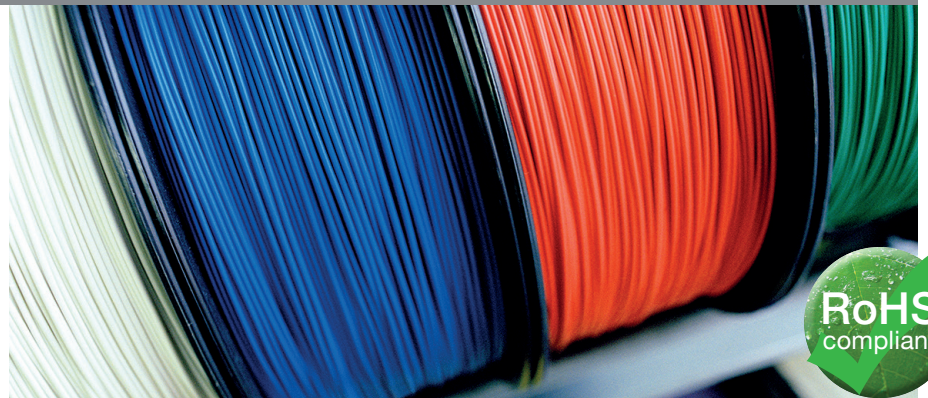
See table over, for availability by wire type.

## Conductor Size:

See table over, for availability by wire type.

## Wire Type:

A	Silver plated, 300V
NA	Nickel plated, 300V
B	Silver plated, 600V
NB	Nickel plated, 600V
C	Silver plated, 1000V
NC	Nickel plated, 1000V



## PTFE Equipment Wire BS 3G 210 Type A, NA, B, NB, C and NC

Mechanically Tough and Flexible  
Excellent Temperature Performance  
Over 130 Wire Combinations Now in Stock  
for same day despatch



## Standard Sizes Available by Wire Type

### BS 3G210 Type A and NA 300V

Conductor				Cable Dia		Resistance		Weight
Size	Strands	Area	Dia'	Min	Max	Silver	Nickel	Max
AWG		mm <sup>2</sup>	mm	mm	mm	Ω/km	Ω/km	kg/km
32	7/0.08	0.04	0.24	0.44	0.59	558	605	0.84
30	1/0.25	0.05	0.25	0.45	0.60	377	387	0.96
30	7/0.10	0.05	0.30	0.50	0.65	353	377	1.10
28	1/0.32	0.08	0.32	0.52	0.67	229	234	1.32
28	7/0.12	0.08	0.36	0.56	0.71	244	258	1.40
26	1/0.40	0.13	0.40	0.60	0.75	146	148	1.83
26	7/0.15	0.12	0.45	0.65	0.80	159	166	1.96
26	19/0.10	0.15	0.50	0.70	0.85	130	139	2.26
24	7/0.20	0.22	0.60	0.80	0.95	88.3	91.2	3.04
24	19/0.12	0.21	0.60	0.80	0.95	89.8	94.9	2.99
22	19/0.15	0.34	0.75	0.95	1.10	58.6	61.3	4.41
20	19/0.20	0.60	1.00	1.20	1.35	32.5	33.6	7.19

### BS 3G210 Type B and NB 600V

Conductor				Cable Dia		Resistance		Weight
Size	Strands	Area	Dia'	Min	Max	Silver	Nickel	Max
AWG		mm <sup>2</sup>	mm	mm	mm	Ω/km	Ω/km	kg/km
32	7/0.08	0.04	0.24	0.65	0.84	558	605	1.44
30	7/0.10	0.05	0.30	0.70	0.90	353	377	1.75
28	7/0.12	0.08	0.36	0.76	0.96	244	258	2.10
26	1/0.40	0.13	0.40	0.80	1.00	146	148	2.56
26	7/0.15	0.12	0.45	0.85	1.05	159	166	2.74
26	19/0.10	0.15	0.50	0.90	1.10	130	139	3.09
24	7/0.20	0.22	0.60	1.00	1.20	88.3	91.2	3.95
24	19/0.12	0.21	0.60	1.00	1.20	89.8	94.9	3.89
23	1/0.60	0.28	0.60	1.00	1.20	64.3	65.0	4.38
22	19/0.15	0.34	0.75	1.15	1.35	58.6	61.3	5.44
20	19/0.20	0.60	1.00	1.40	1.60	32.5	33.6	8.43
18	19/0.25	0.93	1.25	1.65	1.85	20.6	21.2	12.11

### BS 3G210 Type C and NC 1000V

Conductor				Cable Dia		Resistance		Weight
Size	Strands	Area	Dia'	Min	Max	Silver	Nickel	Max
AWG		mm <sup>2</sup>	mm	mm	mm	Ω/km	Ω/km	kg/km
32	7/0.08	0.04	0.24	0.44	0.59	558	605	2.52
30	7/0.10	0.05	0.30	0.50	0.65	353	377	2.90
28	7/0.12	0.08	0.36	0.56	0.71	244	258	3.31
26	7/0.15	0.12	0.45	0.65	0.80	159	166	4.04
26	19/0.10	0.15	0.50	0.70	0.85	130	139	4.45
24	7/0.20	0.22	0.60	0.80	0.95	88.3	91.2	5.42
24	19/0.12	0.21	0.60	0.80	0.95	89.8	94.9	5.36
22	19/0.15	0.34	0.75	0.95	1.10	58.6	61.3	7.08
20	19/0.20	0.60	1.00	1.20	1.35	32.5	33.6	10.33
19	1/0.90	0.64	0.90	1.56	1.82	28.5	28.6	9.94
18	19/0.25	0.93	1.25	1.65	1.85	20.6	21.2	14.30
16	19/0.30	1.34	1.50	2.16	2.46	14.3	14.6	19.25
14	19/0.34	1.67	1.68	2.34	2.74	11.4	11.6	23.90
12	19/0.45	3.02	2.25	2.91	3.31	6.28	6.38	38.50
10	37/0.40	4.65	2.80	3.46	3.86	4.01	4.08	56.00