



### PTFE INSULATED EQUIPMENT WIRE TO BS 3G 210 UNSCREENED TYPE A, NA, B, NB, C and NC

#### PRODUCT DESCRIPTION

PTFE insulated conductors are widely used for internal and external connectors for electronic equipment and instrumentation or environments that demand high levels of thermal, chemical, electrical or mechanical protection.

PTFE is highly resistant to oils, lubricants, fuels and is non flammable whilst being very flexible.

If required for termination, PTFE cables can be surface treated or 'etched'.

#### PRODUCT CHARACTERISTICS

Conductor : Silver (Type A, B or C) or Nickel (Type NA, NB or NC) plated annealed copper wire

Insulation PTFE

Available in a wide range of ROHS compliant solid and bi-colours

BS 3G 210 TYPE A AND NA						
AWG	Conductor formation	Nom Conductor Diameter mm	Resistance @ 20°C Ω/km		Cable Diameter mm	
			A	NA	Min	Max
30	1/0.250	0.250	377.0	387.0	0.45	0.60
28	1/0.320	0.320	229.0	234.0	0.52	0.67
26	1/0.400	0.400	146.0	148.0	0.60	0.75
32	7/0.080	0.240	558.0	605.0	0.44	0.59
30	7/0.100	0.300	353.0	377.0	0.50	0.65
28	7/0.120	0.360	244.0	258.0	0.56	0.71
26	7/0.150	0.450	159.0	166.0	0.65	0.80
24	7/0.200	0.600	88.3	91.2	0.80	0.95
26	19/0.100	0.500	130.0	139.0	0.70	0.85
24	19/0.120	0.600	89.8	94.9	0.80	0.95
22	19/0.150	0.750	58.6	61.3	0.95	1.10
20	19/0.200	1.000	32.5	33.6	1.20	1.35

Temperature rating : Type A 190°C  
Type NA 260°C

Voltage rating 300Vrms

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## BS 3G 210 TYPE B AND NB

AWG	Conductor formation	Nom Conductor Diameter mm	Resistance @ 20°C Ω/km		Cable Diameter mm	
			B	NB	Min	Max
26	1/0.400	0.400	146.0	148.0	0.80	1.00
23	1/0.600	0.600	64.3	65.0	1.00	1.20
32	7/0.080	0.240	558.0	605.0	0.65	0.84
30	7/0.100	0.300	353.0	377.0	0.70	0.90
28	7/0.120	0.360	244.0	258.0	0.76	0.96
26	7/0.150	0.450	159.0	166.0	0.85	1.05
24	7/0.200	0.600	88.3	91.2	1.00	1.20
26	19/0.100	0.500	130.0	139.0	0.90	1.10
24	19/0.120	0.600	89.8	94.9	1.00	1.20
22	19/0.150	0.750	58.6	61.3	1.15	1.35
20	19/0.200	1.000	32.5	33.6	1.40	1.60
18	19/0.250	1.250	20.6	21.2	1.65	1.85

## PRODUCT CHARACTERISTICS

Temperature rating :  
 Type B 190°C  
 Type NB 260°C

Voltage rating 600Vrms

## BS 3G 210 TYPE C AND NC

AWG	Conductor formation	Nom Conductor Diameter mm	Resistance @ 20°C Ω/km		Cable Diameter mm	
			C	NC	Min	Max
19	1/0.900	0.900	28.5	28.6	1.56	1.82
32	7/0.080	0.240	558.0	605.0	0.90	1.16
30	7/0.100	0.300	353.0	377.0	0.96	1.22
28	7/0.120	0.360	244.0	258.0	1.02	1.28
26	7/0.150	0.450	159.0	166.0	1.11	1.37
24	7/0.200	0.600	88.3	91.2	1.26	1.52
26	19/0.100	0.500	130.0	139.0	1.16	1.42
24	19/0.120	0.600	89.8	94.9	1.26	1.52
22	19/0.150	0.750	58.6	61.3	1.41	1.67
20	19/0.200	1.000	32.5	33.6	1.66	1.92
18	19/0.250	1.250	20.6	21.2	1.91	2.17
16	19/0.300	1.500	14.3	14.6	2.16	2.46
14	19/0.335	1.675	11.4	11.6	2.34	2.74
12	19/0.450	2.250	6.28	6.38	2.91	3.31
10	37/0.400	2.800	4.01	4.08	3.46	3.86

Temperature rating :  
 Type C 190°C  
 Type NC 260°C

Voltage rating 1000Vrms

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AWG	Conductor formation	Area mm <sup>2</sup>	Brand-Rex Part Number		
			Type A	Type B	Type C
32	7/0.08	0.04	SPC00492A***	-	-
30	1/0.25	0.05	SPC00462A***	X	X
30	7/0.10	0.05	SPC02994A***	-	-
28	1/0.32	0.05	-	X	X
28	7/0.12	0.08	SPC00441A***	SPC03796A***	SPC00527A***
26	1/0.40	0.08	SPC00440A***	SPC00476A***	X
26	7/0.15	0.13	SPC00442A***	SPC04106A***	-
26	19/0.10	0.12	-	-	-
24	7/0.20	0.15	SPC00443A***	SPC00447A***	SPC00452A***
24	19/0.12	0.22	SPC04082A***	SPC03237A***	-
23	1/0.6	0.21	-	SPC00446A***	X
22	19/0.15	0.34	SPC00444A***	SPC00448A***	SPC00471A***
20	19/0.20	0.60	SPC00445A***	SPC00449A***	SPC00453A***
19	1/0.90	0.64	X	X	-
18	19/0.25	0.93	X	SPC00463A***	SPC06219A***
16	19/0.30	1.34	X	SPC00512A***	SPC00454A***
14	19/0.335	1.67	X	X	SPC00475A***
12	19/0.45	3.02	X	X	SPC00445A***
10	37/0.40	4.65	X	X	SPC01539A***

COLOUR CODES	***
RED	001
BLACK	002
WHITE	003
BLUE	004
GREEN	005
YELLOW	006
BROWN	007
GREY	008
ORANGE	009
PINK	012
VIOLET	015
GREEN / YELLOW	184

**X** denotes not available  
 - Information available upon request

Bi-Colours also available