



Wire & Cables



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

- Mechanically tough and flexible
- Excellent temperature performance / Non flammable
- Very high dielectric performance
- Excellent chemical resistance
- Silver- and Nickel-plated conductors



PTFE Wire NEMA HP3 (MIL-W-16878) BS 3G 210 Equipment wire

PTFE Hook Up wire for defense applications.

Specifications as per

- BS 3G 210 Type A, B and C
- Nema HP3 Type ET, E and EE (formerly known as MIL-W-16878)

Operating Temperature BS 3G 210

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

Operating Temperature Nema HP3

- -75°C to +200°C (Silver plated copper)

Voltage Rating

- 250/300, 600 & 1000 volts

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PTFE Wire NEMA HP3(MIL-W-16878) BS 3G 210

Equipment wire

BS 3G 210 EQUIPMENT WIRE

BS 3G 210	Voltage Rating (RMS)	Conductor Plating	
		Silver	Nickel
Type A	300 V	A	NA
Type B	600 V	B	NB
Type C	1000 V	C	NC

NEMA HP3 EQUIPMENT WIRE

Nema HP3 (MIL-W-16878)	Voltage Rating (RMS)	Nema HP3 Replaces Mil
Type ET	250 V	MIL-W-16878/6
Type E	600 V	MIL-W-16878/6
Type EE	1000 V	MIL-W-16878/6



Information & images on this technical datasheet are intended for guidance only and products may vary due to manufacturing changes, technical improvements and commercial factors. We reserve the right to amend the product information without notice or liability.

BS 3G 210 PART NUMBERING

BS 3G210-A-20(19/0.20)-6*example

AWG	Strands	A/NA	B/NB	C/NC
32	7/0.080	♦	♦	♦
30	1/0.250	♦		
30	7/0.100	♦	♦	♦
28	1/0.320	♦		
28	7/0.120	♦	♦	♦
26	1/0.400	♦	♦	
26	7/0.150	♦	♦	♦
26	19/0.100	♦	♦	♦
24	7/0.200	♦	♦	♦
24	19/0.120	♦	♦	♦
23	1/0.600		♦	
22	19/0.150	♦	♦	♦
20	19/0.200	♦	♦	♦
19	1/0.900			♦
18	19/0.250		♦	♦
16	19/0.300			♦
14	19/0.335			♦
12	19/0.450			♦
10	37/0.400			♦

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

NEMA HP3 PART NUMBERING

HP3-EXBGE9*example

NEMA Type					
ET		250 V			
E		600 V			
EE		1000 V			
Construction					
W		Wrapped			
X		Extruded			
Conductor Material					
B		Silver plated Cu			
C		Nickel plated Cu			
D		Silver plated high strength Cu alloy			
E		Nickel plated high strength Cu alloy			
F		Silver plated Cu clad steel			
G		Nickel plated Cu clad steel			
AWG Size					
A	32	H	18	R	4
B	30	J	16	S	2
C	28	K	14	T	1
D	26	L	12	U	0
E	24	M	10	W	00
F	22	N	8	Y	000
G	20	P	6	Z	0000
Stranding					
A	1	L	133	T	1330
B	7	P	665	V	1672
E	19	R	817	W	2109
G	37	S	1045		
Color Codes					
0	Black	4	Yellow	8	Grey
1	Brown	5	Green	9	White
2	Red	6	Blue	2L	Pink