

PEEK (Polyetheretherketone) EQUIPMENT WIRE AND CABLE

A semi-crystalline thermoplastic, PEEK offers excellent mechanical properties and chemical resistance coupled with outstanding thermal and combustion characteristics.

KEY CHARACTERISTICS

Operating temperature - 75°C to + 230°C
600 V Rating
Available with Silver Plated or Nickel Plated Conductors
Halogen free and low toxicity
Toxicity index > 0.2 < 1.5 (type 2)
Excellent radiation resistance 10⁹ Rads

TYPICAL APPLICATIONS

Nuclear Power Wiring
Chemical Processing
Ultrahigh vacuum (UHV) environments

PRODUCT DATA

Temperature Rating:
-75°C to +200°C for Silver Plated Copper Conductors (*replace* with **S**)
-75°C to +230°C for Nickel Plated Copper Conductors (*replace* with **N**)

AWG – PART NUMBER	Conductor Details			Overall Diameter	
	Diameter (mm)	C.S.A. (mm ²)	Conductor (stranding)	Minimum (mm)	Maximum (mm)
23 - HSB23*AG	0.60	0.283	01/0.600	0.90	1.05
19 - HSB19*AG	0.90	0.636	01/0.900	1.20	1.35
26 - HSB26*CG	0.50	0.149	19/0.100	0.80	0.95
24 - HSB24*CG	0.60	0.215	19/0.120	0.90	1.05
22 - HSB22*CG	0.75	0.336	19/0.150	1.05	1.20
20 - HSB20*CG	1.00	0.597	19/0.200	1.30	1.50
18 - HSB18*CG	1.25	0.933	19/0.250	1.55	1.75
16 - HSB16*CG	1.50	1.343	19/0.300	1.80	2.00
14 - HSB14*DB	1.75	1.815	37/0.250	2.15	2.35
12 - HSB12*DB	2.10	2.614	37/0.300	2.50	2.70
10 - HSB10*DB	2.80	4.647	37/0.400	3.20	3.40

The product data table above covers single core cables. Multi-core cables with or without overall shield and jacket are also available. Jackets available in alternative or more suitable materials.

Information in this publication and otherwise supplied to users is based on our general experience and is given in good faith, but because of the many particular factors which are outside our knowledge which affect the use of products, no warranty is given nor is implied with respect to such information. Users should make their own enquiries to determine the suitability of products for any particular use. Freedom under patents, copyright and registered designs cannot be assumed.

This design may be subject to change without notification - please check this data sheet is still current.