



**INTERCONNECT TECHNOLOGIES**

DATE: 16/03/2011  
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**SPECIFICATION DATA SHEET**

**CABLE TYPE**

PTFE INSULATED EQUIPMENT WIRE.

**GENERAL DESCRIPTION**

SILVER AND NICKEL PLATED COPPER CONDUCTORS,  
 PTFE INSULATED TYPE B (SPCW) AND NB (NPCW).

**RELEVANT STANDARDS**

BS 3G 210 : 1996 and DEF STAN 61-12 Part 8

CIT E.P.N. Number	Conductor Details				Insulation Thickness		Overall Diameter		Conductor Resistance ( $\Omega$ /km @ 20°C)		Mass	Long term current rating
	*S for SPCW *N for NPCW	Size AWG	Stranding (mm)	O/D (mm)	Area (mm <sup>2</sup> )	Min. (mm)	Nom. (mm)	Min. (mm)	Max. (mm)	SPCW (Max)	NPCW (Max)	Max. (kg/km)
HP26*AB.	26	01/0.400	0.40	0.126	0.20	0.25	0.80	1.00	146.00	148.00	2.56	4.0
HP22*AB.	22	01/0.600	0.60	0.283	0.20	0.25	1.00	1.20	64.30	65.00	4.38	7.0
HP19*AB.	19**	01/0.900	0.90	0.636	0.20	0.25	1.30	1.50	28.50	28.60	8.42	12.0
HP32*BB.	32	07/0.080	0.24	0.035	0.20	0.25	0.65	0.84	558.00	605.00	1.44	1.5
HP30*BB.	30	07/0.100	0.30	0.055	0.20	0.25	0.70	0.90	353.00	377.00	1.75	2.0
HP28*BB.	28	07/0.120	0.36	0.079	0.20	0.25	0.76	0.96	244.00	258.00	2.10	3.0
HP26*BB.	26	07/0.150	0.45	0.124	0.20	0.25	0.85	1.05	159.00	166.00	2.74	4.0
HP24*BB.	24	07/0.200	0.60	0.220	0.20	0.25	1.00	1.20	88.30	91.20	3.95	6.0
HP26*CB.	26	19/0.100	0.50	0.149	0.20	0.25	0.90	1.10	130.00	139.00	3.09	5.0
HP24*CB.	24	19/0.120	0.60	0.215	0.20	0.25	1.00	1.20	89.80	94.90	3.89	6.0
HP22*CB.	22	19/0.150	0.75	0.336	0.20	0.25	1.15	1.35	58.60	61.30	5.44	8.0
HP20*CB.	20	19/0.200	1.00	0.597	0.20	0.25	1.40	1.60	32.50	33.60	8.43	11.0
HP18*CB.	18	19/0.250	1.25	0.933	0.20	0.25	1.65	1.85	20.60	21.20	12.11	15.0
HP16*CB.	16**	19/0.300	1.50	1.342	0.20	0.25	1.90	2.10	14.30	14.60	16.25	20.0

\*Current ratings are based on a temperature rise of 40°C (single wire in free air)  
 \*\*Manufactured and tested in accordance with, but not contained within BS3G210

**CABLE CHARACTERISTICS**

VOLTAGE RATING: 600 V rms  
 TEMPERATURE RATING: -75°C to +190°C for SILVER plated copper conductors  
 -75°C to +260°C for NICKEL plated copper conductors

PTFE is unaffected by oils, lubricants, hydraulic fluids and aircraft fuel. The material is non flammable, resistant to solder iron damage and is highly flexible. Although widely used for high performance aerospace applications, PTFE wires are used in environments where the demands, whether thermal, electrical or mechanical, are severe.

Available in 11 basic colours Black, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White, Pink (plus natural) along with bi- and tri- colour combinations.

PTFE Insulation is applied either by extrusion, or by spiral lapping and sintering.

**All extruded wire sizes/colours are RoHS compliant**

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.

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