

High Temperature PTFE Cable

Eland Product Group **A4H**



Application

Equipment wire for high performance aerospace applications. PTFE wires are used in severe environmental conditions.

Standards

Def Stan 61-12 Part 8, BS 3G 210:1996

Technical Data

Conductor

Stranded silver or nickel plated copper conductor

Temperature Rating

-75°C to +190°C

Insulation

PTFE (Polytetrafluoroethylene)

Minimum Bending Radius

6 x overall diameter

Sheath Colour

Black, Blue, Brown, Red, White, Grey, Violet, Pink, Orange, Yellow, Green/Yellow to BS 3G Z10

Dimensions

Eland Part Numbers	No. and Nominal Diameter of Strands #/mm	Nominal Diameter Over Conductor mm	Nominal Cross Sectional Area mm ²	Electrical Resistance at 20°C		Current Rating Amps*	Conductor AWG
				Silver ohms/Km	Nickel ohms/Km		
A4H'30AWG ² 0049	1/0.250	0.250	0.049	377.00	387.00	2.0	30
A4H'28AWG ² 0080	1/0.320	0.320	0.080	229.00	234.00	2.0	28
A4H'26AWG ² 0126	1/0.400	0.400	0.126	146.00	148.00	4.0	26
A4H'22AWG ² 0283	1/0.600	0.600	0.283	64.30	65.00	7.0	22
A4H'19AWG ² 0636	1/0.900	0.900	0.636	28.50	28.60	12.0	19
A4H'32AWG ² 0035	7/0.080	0.240	0.035	558.00	605.00	1.5	32
A4H'30AWG ² 0055	7/0.100	0.300	0.055	353.00	377.00	2.0	30
A4H'28AWG ² 0079	7/0.120	0.360	0.079	244.00	258.00	3.0	28
A4H'26AWG ² 0124	7/0.150	0.450	0.124	159.00	166.00	4.0	26
A4H'24AWG ² 0220	7/0.200	0.600	0.220	88.30	91.20	6.0	24
A4H'26AWG ² 0149	19/0.100	0.500	0.149	130.00	139.00	5.0	26
A4H'24AWG ² 0215	19/0.120	0.600	0.215	89.80	94.90	6.0	24
A4H'22AWG ² 0336	19/0.150	0.750	0.336	58.60	61.30	8.0	22
A4H'20AWG ² 0597	19/0.200	1.000	0.597	32.50	33.60	11.0	20
A4H'18AWG ² 0933	19/0.250	1.250	0.933	20.60	21.20	15.0	18
A4H'16AWG ² 1343	19/0.300	1.500	1.343	14.30	14.60	20.0	16
A4H'14AWG ² 1675	19/0.335	1.675	1.675	11.40	11.60	23.0	14
A4H'12AWG ² 3022	19/0.450	2.250	3.022	6.28	6.38	35.0	12
A4H'10AWG ² 4650	37/0.400	2.800	4.650	4.01	4.08	47.0	10

* Current Ratings are based on a temperature of 40°C (single wire in free air)

¹Eland Part Numbers shown above designate whether Silver or Nickel plated. Substitute ¹ for either S (silver plated) or N (nickel plated).

²Eland Part Numbers shown above designate the sheath colour (²). For each colour substitute ² for a colour code as listed below.

Colour	Black	Blue	Grey	Green/ Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
Code	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

e.g. A4HN30AWGRD0049 = 0.0049mm² Nickel Plated with Red Sheath, 30AWG
 A4HS10AWGVI4650 = 4.650mm² Silver Plated with Violet Sheath, 10AWG

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.