

TCu/MGT/EPR/IS/ZH/GSWB/ZH 150/250V Cable



Eland Product Group: ASH

APPLICATION

Fire resistant cables for fixed wiring in ships and on mobile and fixed offshore units.

CHARACTERISTICS

Voltage Rating Uo/U
150/250V

Test Voltage
1.5kV

Temperature Rating
-40°C to +90°C

Minimum Bending Radius
10 x overall diameter

CONSTRUCTION

Conductor
0.75mm² to 1.5mm²: Class 5 flexible tinned copper conductor
2.5mm² and above: Class 2 stranded tinned copper conductor

Separator
Mica glass tape

Insulation
Halogen free EPR (Ethylene Propylene Rubber)

Screen
Individual aluminium polyester tape

Bedding
Halogen free elastomer EPR (Ethylene Propylene Rubber)

Armour
GSWB (Galvanized Steel Wire Braid)

Sheath
Halogen free heat resistant, oil resisting and flame retardant elastomer compound

Core Identification
● Black ○ White with printed numbers of pairs

Sheath Colour
● Grey ● Blue

STANDARDS

BS 7917, IEC/EN 60331-21,

Flame Retardant according to IEC/EN 60332-3-22,
IEC/EN 60332-1-2
Halogen Free according to IEC/EN 60754-1/2



ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	CONDUCTOR CLASS	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHIS0175GSWB*	1P	5	0.75	12.9	221
ASHIS0110GSWB*	1P	5	1	13.1	225
ASHIS0115GSWB*	1P	5	1.5	14.6	279
ASHIS0125GSWB*	1P	5	2.5	15.7	332
ASHIS0275GSWB*	2P	5	0.75	14.9	333
ASHIS0210GSWB*	2P	5	1	15.1	349
ASHIS0215GSWB*	2P	5	1.5	16.3	404
ASHIS0375GSWB*	3P	5	0.75	19.1	433
ASHIS0310GSWB*	3P	5	1	19.6	453
ASHIS0315GSWB*	3P	5	1.5	21	522
ASHIS0325GSWB*	3P	5	2.5	23	692
ASHIS0775GSWB*	7P	5	0.75	24.9	740
ASHIS0710GSWB*	7P	5	1	25.3	759
ASHIS0715GSWB*	7P	5	1.5	26.9	866
ASHIS1275GSWB*	12P	5	0.75	31.3	1129
ASHIS1210GSWB*	12P	5	1	32.9	1296
ASHIS1215GSWB*	12P	5	1.5	35	1475
ASHIS2075GSWB*	20P	5	0.75	39.8	1765
ASHIS2010GSWB*	20P	5	1	40.8	1920
ASHIS2015GSWB*	20P	5	1.5	43.1	2155
ASHIS1T75GSWB*	1T	5	0.75	13.4	248
ASHIS1T10GSWB*	1T	5	1	13.8	266
ASHIS1T15GSWB*	1T	5	1.5	15.2	314
ASHIS1T25GSWB*	1T	5	2.5	16.8	394
ASHIS1Q75GSWB*	1Q	5	0.75	14.5	291
ASHIS1Q10GSWB*	1Q	5	1	14.8	307
ASHIS1Q15GSWB*	1Q	5	1.5	16.1	359
ASHIS1Q25GSWB*	1Q	5	2.5	17.9	445

P = Pairs

Q = Quad

T = Triple

Eland Part No. shown above designate the gland colour (). For each colour substitute * for a colour code as listed below. e.g. A5HIS0175GSWBGR = 0.75mm² Grey

COLOUR CODES

COLOUR	Grey	Blue
CODE	GR	BL

CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Metal-Coated Wires
0.75	0.21	26.7
1	0.21	20
1.5	0.26	13.7
2.5	0.26	8.21



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Class 2 Stranded Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm ²	MINIMUM NO. OF WIRES IN CONDUCTOR mm			MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
	Circular	Circular Compacted	Shaped	Annealed Copper Conductor
	Cu			Metal-Coated Wires
2.5	7	6	-	7.56

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM INSULATION RESISTANCE AT 20°C	INDUCTANCE mH/km	CAPACITANCE pf/m	L/R RATIO AT 1KHZ µh/ohms
0.75	930	0.75	130	25
1	827	0.73	140	25
1.5	729	0.68	160	40

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.