



TCu/MGT/EPR/CS/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

Temperature Rating
-40°C to +90°C

Minimum Bending Radius
6 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible tinned copper conductor

Separator
Mica glass tape

Insulation
Halogen free EPR (Ethylene Propylene Rubber)

Drain Wire
Tinned copper

Screen
Collective 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 number 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 to IEC/EN 60754-1/2



THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/85/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	CONDUCTOR CLASS	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
ASHI0275GSWB*	2P	5	0.75	15.1	326
ASHI0210GSWB*	2P	5	1	15.3	343
ASHI0215GSWB*	2P	5	1.5	16.8	401
ASHI0375GSWB*	3P	5	0.75	19.3	434
ASHI0310GSWB*	3P	5	1	19.6	437
ASHI0315GSWB*	3P	5	1.5	21.5	533
ASHI0325GSWB*	3P	5	2.5	24.1	735
ASHI0775GSWB*	7P	5	0.75	24.8	707
ASHI0710GSWB*	7P	5	1	25.5	737
ASHI0715GSWB*	7P	5	1.5	27.9	908
ASHI1275GSWB*	12P	5	0.75	31.3	1075
ASHI1210GSWB*	12P	5	1	32.1	1104
ASHI1215GSWB*	12P	5	1.5	35.8	1496
ASHI2075GSWB*	20P	5	0.75	39.6	1665
ASHI2010GSWB*	20P	5	1	40.6	1792
ASHI2015GSWB*	20P	5	1.5	43.9	2157

Eland Part No. shown above designate the gland colour (). For each colour substitute * for a colour code as listed below. e.g. A5HI0275GSWBGR = 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
0.5	0.21	26.7
0.75	0.21	20
1	0.26	13.7
1.5	0.26	8.21

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM INSULATION RESISTANCE AT 20°C Amps	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.