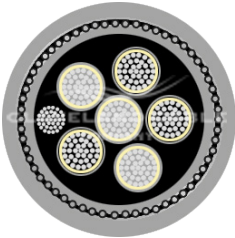


MGT EPR INSULATED OVERALL SCREENED MARINE CABLE



APPLICATION

The MGT / VEPR marine cable is primarily designed for fixed wiring installations in ships and other offshore units. These can be installations such as safety and emergency lighting, shut down control systems, gas detectors, alarm systems and fire pump systems. They are particularly ideal for social areas such as control rooms, computer suites and accommodation / kitchen facilities. Due to their construction, they are suitable for use in accommodation units and IT suites.

CONSTRUCTION

Conductor: Tinned stranded circular copper conductor

Insulation: MICA Glass Tape (MGT) with EPR GP4 insulation laid in pairs, triples or quads. Wrapped in polyester tape

Screen: Overall screened with aluminium backed polyester tape

Drain Wire: Tinned Copper

Bedding: LSF Flame retardant halogen free bedding

Inner Sheath: PET tape and rubberised polyamide tape

Armouring: Galvanised steel wire armour braid with PET tape over armour

Sheath: Low Smoke Zero Halogen (LSZH) SW4

Sheath Colour: Grey, Blue or Black

CABLE STANDARDS

BS7917/BS6883

UKOOA design

IEC60332-1 and IEC60332-3-22

IEC60754-1,2

IEC61034-1,2

IEC60331-21

CHARACTERISTICS

Voltage Rating: 150/250 Volts

Temperature Limits: -40°C (fixed installation) to +90°C

Minimum Bending Radius: As per cable manufacturer datasheet

CORE IDENTIFICATION (NUMBERED CORES)

Pairs: Black White

Triples: Black White Red

Quads: Black White Red Blue

Should not be installed at temperatures below -15°C

MGT EPR INSULATED OVERALL SCREENED CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	SHEATH COLOUR	UK00A CODE
GNH00	0.75	24/0.2	3Pair	450	GREY	GNH00
GNJ00	0.75	24/0.2	7Pair	740	GREY	GNJ00
GNK00	0.75	24/0.2	12Pair	1120	GREY	GNK00
GNL00	0.75	24/0.2	20Pair	1720	GREY	GNL00
GLH00	0.75	24/0.2	3Pair	450	BLUE	GLH00
GLJ00	0.75	24/0.2	7Pair	740	BLUE	GLJ00
GLK00	0.75	24/0.2	12Pair	1120	BLUE	GLK00
GLL00	0.75	24/0.2	20Pair	1720	BLUE	GLL00
GNS00	0.75	24/0.2	3Triple	550	GREY	GNS00
GNT00	0.75	24/0.2	7Triple	930	GREY	GNT00
GNU00	0.75	24/0.2	12Triple	1450	GREY	GNU00
GLS00	0.75	24/0.2	3Triple	550	BLUE	GLS00
GLT00	0.75	24/0.2	7Triple	930	BLUE	GLT00
GLU00	0.75	24/0.2	12Triple	1450	BLUE	GLU00
GNH02	1.5	30/0.25	3Pair	570	GREY	GNH02
GNI02	1.5	30/0.25	5Pair	820	GREY	GNI02
GNJ02	1.5	30/0.25	7Pair	920	GREY	GNJ02
GN(10P)02	1.5	30/0.25	10Pair	1380	GREY	GN(10P)02
GNK02	1.5	30/0.25	12Pair	1560	GREY	GNK02
GNL02	1.5	30/0.25	20Pair	2260	GREY	GNL02
GLH02	1.5	30/0.25	3Pair	570	BLUE	GLH02
GLJ02	1.5	30/0.25	7Pair	920	BLUE	GLJ02
GLK02	1.5	30/0.2	12Pair	1560	BLUE	GLK02
GLL02	1.5	30/0.25	20Pair	2260	BLUE	GLL02
GNS02	1.5	30/0.25	3Triple	690	GREY	GNS02
GNT02	1.5	30/0.25	7Triple	1180	GREY	GNT02
GNU02	1.5	30/0.25	12Triple	2020	GREY	GNU02
GLS02	1.5	30/0.25	3Triple	690	BLUE	GLS02
GLT02	1.5	30/0.25	7Triple	1180	BLUE	GLT02
GLU02	1.5	30/0.25	12Triple	2020	BLUE	GLU02

MGT EPR INSULATED OVERALL SCREENED – ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM ²)	MUTUAL CAPACITANCE pF/m			MINIMUM INSULATION RESISTANCE AT 20°C MOHMS/KM	MAXIMUM L/R RATIO MH/OHMS	MAXIMUM RESISTANCE CONDUCTOR AT 20°C Ω/KM
	CABLES WITH COLLECTIVE SCREEN ONLY	1 PAIR, 2 PAIRS, 1 TRIPLE COLLECTIVELY SCREENED	CABLES WITH INDIVIDUALLY SCREENED PAIRS			
0.5	75	115	115	>5	25	39
0.75	75	115	115	>5	25	26
1	75	115	115	>5	25	18.1
1.5	85	120	120	>5	40	12.1

THE ABOVE IS IN ACCORDANCE WITH 18TH EDITION OF IET WIRING REGULATIONS

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.