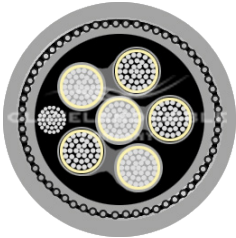


## MGT EPR INSULATED INDIVIDUALLY SCREENED MARINE CABLE



### APPLICATION

The MGT / EPR 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

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 INDIVIDUALLY SCREENED CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	SHEATH COLOUR	UKOOA CODE
GPF00	0.75	24/0.2	1Pair	260	GREY	GPF00
GMF00	0.75	24/0.2	1Pair	260	BLUE	GMF00
GPX00	0.75	24/0.2	1Quad	330	GREY	GPX00
GMX00	0.75	24/0.2	1Quad	330	BLUE	GMX00
GPH00	0.75	24/0.2	3Pair	480	GREY	GPH00
GMH00	0.7	24/0.2	3Pair	480	BLUE	GMH00
GPJ00	0.75	24/0.2	7Pair	800	GREY	GPJ00
GMJ00	0.75	24/0.2	7Pair	800	BLUE	GMJ00
GPK00	0.75	24/0.2	12Pair	1240	GREY	GPK00
GMK00	0.75	24/0.2	12Pair	1240	BLUE	GMK00
GPL00	0.75	24/0.2	20Pair	2040	GREY	GPL00
GML00	0.75	24/0.2	20Pair	2040	BLUE	GML00
GPM00	0.75	24/0.2	27Pair	2330	GREY	GPM00
GMM00	0.75	24/0.2	27Pair	2330	BLUE	GMM00
GPR00	0.75	24/0.2	1Triple	280	GREY	GPR00
GMR00	0.75	24/0.2	1Triple	280	BLUE	GMR00
GPS00	0.75	24/0.2	3Triple	590	GREY	GPS00
GMS00	0.75	24/0.2	3Triple	590	BLUE	GMS00
GPT00	0.75	24/0.2	7Triple	990	GREY	GPT00
GMT00	0.75	24/0.2	7Triple	990	BLUE	GMT00
GPU00	0.75	24/0.2	12Triple	1640	GREY	GPU00
GMU00	0.75	24/0.2	12Triple	1640	BLUE	GMU00
GPF01	1	32/0.20	1Pair	270	GREY	GPF01
GMF01	1	32/0.20	1Pair	270	BLUE	GMF01
GPX01	1	32/0.20	1Quad	360	GREY	GPX01
GMX01	1	32/0.20	1Quad	360	BLUE	GMX01
GPH01	1	32/0.20	3Pair	520	GREY	GPH01
GMH01	1	32/0.20	3Pair	520	BLUE	GMH01
GPJ01	1	32/0.20	7Pair	920	GREY	GPJ01
GMJ01	1	32/0.20	7Pair	920	BLUE	GMJ01
GPK01	1	32/0.20	12Pair	1540	GREY	GPK01
GMK01	1	32/0.20	12Pair	1540	BLUE	GMK01
GML01	1	32/0.20	20Pair	2450	BLUE	GML01
GPL01	1	32/0.20	20Pair	2450	GREY	GPL01
GPM01	1	32/0.20	27Pair	2690	GREY	GPM01
GMM01	1	32/0.20	27Pair	2690	BLUE	GMM01
GPR01	1	32/0.20	1Triple	310	GREY	GPR01
GMR01	1	32/0.2	1 Triple	31	BLUE	GMR01
GPS01	1	32/0.2	3 Triple	630	GREY	GPS01
GMS01	1	32/0.2	3 Triple	630	BLUE	GMS01
GPT01	1	32/0.2	7 Triple	1100	GREY	GPT01
GMT01	1	32/0.2	7 Triple	1100	BLUE	GMT01
GPU01	1	32/0.2	12 Triple	1840	GREY	GPU01
GMU01	1	32/0.2	12 Triple	1840	BLUE	GMU01
GPF02	1.5	30/0.25	1 Pair	300	GREY	GPF02
GMF02	1.5	30/0.25	1 Pair	300	BLUE	GMF02
GPG02	1.5	30/0.25	2 Pair	410	GREY	GPG02
GPX02	1.5	30/0.25	1 Quad	410	GREY	GPX02

## MGT EPR INSULATED INDIVIDUALLY SCREENED CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	STRANDING (MM)	NO OF CORES	WEIGHT (KG/KM)	SHEATH COLOUR	UKOOA CODE
GMX02	1.5	30/0.25	1 Quad	410	BLUE	GMX02
GPH02	1.5	30/0.25	3 Pair	600	GREY	GPH02
GMH02	1.5	30/0.25	3 Pair	600	BLUE	GMH02
GPJ02	1.5	30/0.25	7 Pair	1030	GREY	GPJ02
GMJ02	1.5	30/0.25	7 Pair	1030	BLUE	GMJ02
GPK02	1.5	30/0.25	12 Pair	1750	GREY	GPK02
GMK02	1.5	30/0.25	12 Pair	1750	BLUE	GMK02
GPL02	1.5	30/0.25	20 Pair	2640	GREY	GPL02
GML02	1.5	30/0.25	20 Pair	2640	BLUE	GML02
GNL02	1.5	30/0.25	20 Pair	2640	GREY	GNL02
GPM02	1.5	30/0.25	27 Pair	2970	GREY	GPM02
GMM02	1.5	30/0.25	27 Pair	2970	BLUE	GMM02
GPR02	1.5	30/0.25	1 Triple	330	GREY	GPR02
GMR02	1.5	30/0.25	1 Triple	330	BLUE	GMR02
GPS02	1.5	30/0.25	3 Triple	730	GREY	GPS02
GMS02	1.5	30/0.25	3 Triple	730	BLUE	GMS02
GPT02	1.5	30/0.25	7 Triple	1220	GREY	GPT02
GMT02	1.5	30/0.25	7 Triple	1220	BLUE	GMT02
GPU02	1.5	30/0.25	12 Triple	2150	GREY	GPU02
GMU02	1.5	30/0.25	12 Triple	2150	BLUE	GMU02
GPF03	2.5	7/0.67	1 Pair	340	GREY	GPF03
GMF03	2.5	7/0.67	1 Pair	340	BLUE	GMF03

## MGT EPR INSULATED INDIVIDUALLY SCREENED CABLE - ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA (MM <sup>2</sup> )	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.