Marine & Offshore Cable-Fire Resistant EPR Individually Screened-BS7917, UKOOA-0.75 to 2.5mm²



31196

Description

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.

Key Features

Voltage Rating
150/250 Volts

Minimum Bending Radius
10 x Overall Diameter

Flame Retardancy
BS EN 60332-1-2

Temperature Limits
Temperature Range: -40 to 90°C

Core Colours

Numbered Cores

Pairs - Black | White

Triples - Black | White | Red

Quad - Black | White | Red | Blue

Standards

- BS 7917
- IEC/EN 60754-1/2
- IEC/EN 61034-1/2, IEC60331-21
- BS EN/IEC 60332-1-2 & BS EN/IEC 60228

Construction

- **Conductor**: Up to 1.5mm Class 1 solid copper, Above 1.5mm Class 2 stranded copper
- **Insulation**: MICA Glass Tape (MGT) with EPR GP4 insulation laid in pairs triples or quads. Wrapped in polyester tape
- **Bedding**: LSZH (Low smoke Zero Halogen)
- **Screen**: Collective Aluminium/mylar tape with 0.5mm drain wire
- **Bedding**: Low Smoke Zero Halogen (LSZH)
- **Armour**: Galvanised Steel Wire Braid (GSWB)
- **Tape Separator**: Polyester Tape (PET)
- **Outer Sheath**: SW4 Low smoke zero Halogen (LSZH)

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing.

ISO/IEC 17025 Accredited Testing Laboratory

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

Marine & Offshore Cable-Fire Resistant EPR Individually Screened-BS7917, UKOOA-0.75 to 2.5mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	No Of Pairs	Stranding(mm)	UKOOA Code	Sheath Colour	Weight(Kg/Km)
GMU00	0.75	12 Triple	12 Triple	24/0.2	GMU00	BLUE	1640
GPU00	0.75	12 Triple	12 Triple	24/0.2	GPU00	GREY	1640
GMT00	0.75	7 Triple	7 Triple	24/0.2	GMT00	BLUE	990
GPT00	0.75	7 Triple	7 Triple	24/0.2	GPT00	GREY	990
GMS00	0.75	3 Triple	3 Triple	24/0.2	GMS00	BLUE	590
GPS00	0.75	3 Triple	3 Triple	24/0.2	GPS00	GREY	590
GMR00	0.75	1 Triple	1 Triple	24/0.2	GMR00	BLUE	280
GPR00	0.75	1 Triple	1 Triple	24/0.2	GPR00	GREY	280
GMM00	0.75	27 Pair	27	24/0.2	GMM00	BLUE	2330
GPM00	0.75	27 Pair	27	24/0.2	GPM00	GREY	2330
GML00	0.75	20 Pair	20	24/0.2	GML00	BLUE	2040
GPL00	0.75	20 Pair	20	24/0.2	GPL00	GREY	2040
GMK00	0.75	12 Pair	12	24/0.2	GMK00	BLUE	1240
GPK00	0.75	12 Pair	12	24/0.2	GPK00	GREY	1240
GMJ00	0.75	7 Pair	7	24/0.2	GMJ00	BLUE	800
GPJ00	0.75	7 Pair	7	24/0.2	GPJ00	GREY	800
GMH00	0.75	3 Pair	3	24/0.2	GMH00	BLUE	480
GPH00	0.75	3 Pair	3	24/0.2	GPH00	GREY	480
GMX00	0.75	1QUAD	1 Quad	24/0.2	GMX00	BLUE	330
GPX00	0.75	1QUAD	1 Quad	24/0.2	GPX00	GREY	330
GMF00	0.75	1 Pair	1	24/0.2	GMF00	BLUE	260
GPF00	0.75	1 Pair	1	24/0.2	GPF00	GREY	260
GMU01	1	12 Triple	12 Triple	7/0.40	GMU01	BLUE	1840
GPU01	1	12 Triple	12 Triple	7/0.40	GPU01	GREY	1840
GMT01	1	1 Triple	7 Triple	7/0.40	GMT01	BLUE	1100
GPT01	1	7 Triple	7 Triple	7/0.40	GPT01	GREY	1100
GMS01	1	3 Triple	3 Triple	7/0.40	GMS01	BLUE	630
GPS01	1	3 Triple	3 Triple	7/0.40	GPS01	GREY	630
GMR01	1	1 Triple	1 Triple	7/0.40	GMR01	BLUE	310
GPR01	1	1 Triple	1 Triple	7/0.40	GPR01	GREY	310
GMM01	1	27 Pair	27	7/0.40	GMM01	BLUE	2690
GPM01	1	27 Pair	27	7/0.40	GPM01	GREY	2690
GML01	1	20 Pair	20	7/0.40	GML01	BLUE	2450
GPL01	1	20 Pair	20	7/0.40	GPL01	GREY	2450
GMK01	1	12 Pair	12	7/0.40	GMK01	BLUE	1540
GPK01	1	12 Pair	12	7/0.40	GPK01	GREY	1540
GMJ01	1	7 Pair	7	7/0.40	GMJ01	BLUE	920

Reference	Conductor Size (mm2)	No Of Cores	No Of Pairs	Stranding(mm)	UKOOA Code	Sheath Colour	Weight(Kg/Km)
GPJ01	1	7 Pair	7	7/0.40	GPJ01	GREY	920
GMH01	1	3 Pair	3	7/0.40	GMH01	BLUE	520
GPH01	1	3 Pair	3	7/0.40	GPH01	GREY	520
GMX01	1	1 Pair	1 Quad	7/0.40	GMX01	BLUE	360
GPX01	1	1 Pair	1 Quad	7/0.40	GPX01	GREY	360
GMF01	1	1 Pair	1	7/0.40	GMF01	BLUE	270
GPF01	1	1 Pair	1	7/0.40	GPF01	GREY	270
GMU02	1.5	12 Triple	12 Triple	7/0.53	GMU02	BLUE	2150
GPU02	1.5	12 Triple	12 Triple	7/0.53	GPU02	GREY	2150
GMT02	1.5	7 Triple	7 Triple	7/0.53	GMT02	BLUE	1220
GPT02	1.5	7 Triple	7 Triple	7/0.53	GPT02	GREY	1220
GMS02	1.5	3 Triple	3 Triple	7/0.53	GMS02	BLUE	730
GPS02	1.5	3 Triple	3 Triple	7/0.53	GPS02	GREY	730
GMR02	1.5	1 Triple	1 Triple	7/0.53	GMR02	BLUE	330
GPR02	1.5	1 Triple	1 Triple	7/0.53	GPR02	GREY	330
GMM02	1.5	27 Pair	27	7/0.53	GMM02	BLUE	2970
GPM02	1.5	27 Pair	27	7/0.53	GPM02	GREY	2970
GNL02	1.5	20 Pair	20	7/0.53	GNL02	GREY	2260
GML02	1.5	20 Pair	20	7/0.53	GML02	BLUE	2640
GPL02	1.5	20 Pair	20	7/0.53	GPL02	GREY	2640
GMK02	1.5	12 Pair	12	7/0.53	GMK02	BLUE	1750
GPK02	1.5	12 Pair	12	7/0.53	GPK02	GREY	1750
GMJ02	1.5	7 Pair	7	7/0.53	GMJ02	BLUE	1030
GPJ02	1.5	7 Pair	7	7/0.53	GPJ02	GREY	1030
GMH02	1.5	3 Pair	3	7/0.53	GMH02	BLUE	600
GPH02	1.5	3 Pair	3	7/0.53	GPH02	GREY	600
GMX02	1.5	1QUAD	1 Quad	7/0.53	GMX02	BLUE	410
GPX02	1.5	1QUAD	1 Quad	7/0.53	GPX02	GREY	410
GPG02	1.5	2 Pair	2	7/0.53	GPG02	GREY	410
GMF02	1.5	1 Pair	1	7/0.53	GMF02	BLUE	300
GPF02	1.5	1 Pair	1	7/0.53	GPF02	GREY	300
GMF03	2.5	1 Pair	1	7/0.67	GMF03	BLUE	340
GPF03	2.5	1 Pair	1	7/0.67	GPF03	GREY	340

UK00A/BS7917 MGT MARINE CABLE - ELECTRICAL PROPERTIES

NOMINAL CROSS SECTIONAL AREA	MUTUAL CAPACITANCE			MINIMUM INSULATION RESISTANCE AT 20°C	MAXIMUM L/R RATIO	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C
	CABLES WITH COLLECTIVE SCREEN ONLY	1 PAIR, 2 PAIRS OR 1 TRIPLE COLLECTIVELY SCREENED	CABLES WITH INDIVIDUALLY SCREENED PAIRS			
(MM^2)	pF/m	pF/m	pF/m	mΩ/KM	µH/Ω	Ω/KM
0.50	75	115.00	115	>5	25	39
0.75	75	115.00	115	>5	25	26
1.00	75	115.00	115	>5	25	18.1
1.50	85	120.00	120	>5	40	12.1

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.