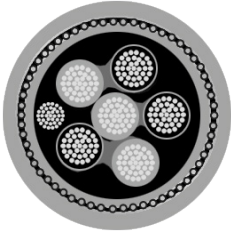


EPR INSULATED INDIVIDUALLY SCREENED MARINE CABLE UKOOA



APPLICATION

The 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.

CABLE STANDARDS

BS6883
UKOOA
IEC60332-1
IEC60332-3-22
IEC60754-1,2
IEC61034-1,2

CONSTRUCTION

Conductor: Tinned stranded circular copper conductor

Insulation: EPR GP4 insulation laid in pairs, triples or quads. Wrapped in polyester tape

Screen: Individually 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

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

Pairs: Black White

Triples: Black White Red

Quads: Black White Red Blue

Should not be installed at temperatures below -15°C

EPR INSULATED INDIVIDUALLY SCREENED CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM ²)	STRANDING (MM)	NO OF CORES	WEIGHT (Kg/Km)	SHEATH COLOUR	UK00A CODE
KKF00	0.75	24/0.2	1Pair	230	GREY	KKF00
KHF00	0.75	24/0.2	1Pair	230	BLUE	KHF00
KKX00	0.75	24/0.2	1Quad	310	GREY	KKX00
KHX00	0.75	24/0.2	1Quad	310	BLUE	KHX00
KKH00	0.75	24/0.2	3Pair	430	GREY	KKH00
KKJ00	0.75	24/0.2	7Pair	720	GREY	KKJ00
KKK00	0.75	24/0.2	12Pair	1110	GREY	KKK00
KKL00	0.75	24/0.2	20Pair	1670	GREY	KKL00
KHH00	0.75	24/0.2	3Pair	430	BLUE	KHH00
KHJ00	0.75	24/0.2	7Pair	720	BLUE	KHJ00
KHK00	0.75	24/0.2	12Pair	1110	BLUE	KHK00
KHL00	0.75	24/0.2	20Pair	1670	BLUE	KHL00
KKF01	1	32/0.20	1Pair	240	GREY	KKF01
KHF01	1	32/0.20	1Pair	240	BLUE	KHF01
KKR01	1	32/0.2	1Tripl	300	GREY	KKR01
KKX01	1	32/0.20	1Quad	340	GREY	KKX01
KHX01	1	32/0.20	1Quad	340	BLUE	KHX01
KKF02	1.5	30/0.25	1Pair	290	GREY	KKF02
KHG02	1.5	30/0.25	2Pair	370	BLUE	KHG02
KKG02	1.5	30/0.25	2Pair	370	GREY	KKG02
KHF02	1.5	30/0.25	1Pair	290	BLUE	KHF02
KKX02	1.5	30/0.25	1Quad	370	GREY	KKX02
KHX02	1.5	30/0.25	1Quad	370	BLUE	KHX02
KKH02	1.5	30/0.25	3Pair	560	GREY	KKH02
KKJ02	1.5	30/0.25	7Pair	980	GREY	KKJ02
KKK02	1.5	30/0.25	12Pair	1700	GREY	KKK02
KKL02	1.5	30/0.25	20Pair	2430	GREY	KKL02
KHH02	1.5	30/0.25	3Pair	560	BLUE	KHH02
KHJ02	1.5	30/0.25	7Pair	980	BLUE	KHJ02
KHK02	1.5	30/0.25	12Pair	1700	BLUE	KHK02
KHL02	1.5	30/0.25	20Pair	2430	BLUE	KHL02
KKR02	1.5	30/0.25	1Triple	330	GREY	KKR02
KKU02	1.5	30/0.25	12Triple	2210	GREY	KKU02
KKF03	2.5	7/0.67	1Pair	330	GREY	KKF03

EPR INSULATED INDIVIDUALLY SCREENED CABLE – 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



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