

SHIP POWER & CONTROL Cable ARMoured FIRE-RESISTANT LKSM-FRHF

Armoured power and control cable. Rated voltage AC 0,6/1kV. DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV). Maximum conductor temperature +90°C. Flame-retardant IEC 60332-1-2 test for single insulated wire and cable IEC 60332-3-22 test for bunched wires and cables cat. A. Halogen-free IEC 60754 series. Smoke emission IEC 61034 series. Flame retardant IEC 60331-21 series. Minimum recommended installation temperature -15°C. Lowest operation temperature -40°C. Insulation Mica tape and XLPE plastic IEC 60092-351 (2). Bedding separator tape (3). Armour, copper wire braid, coverage >90% IEC 60092-350 (tinned copper wire braid on request) (4). Sheath Polyolefine plastic SHF1, IEC 60092-359 standard colour orange. (5). Conductor, stranded copper IEC 60228 class 2, (1). Tinned stranded conductor on request.

Approval DNV-GL, Lloyds, ABS, LR, NK, RMRS, RINA, CCS

Application: For fixed installation in most areas and on open deck in ships and offshore units. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended. Some types available as type G with yellow/green earth conductor and sheath marking.



- Flame-Retardant ●
- Fire-Resistant ●
- Halogen-Free ●
- Low smoke emission ●

Article No.	Description	Outside Ø mm	Type	Current Amp	IMPA
98HM10650109	1x4mm ²	8	LKSM-FRHF	40	-
98HM10650110	1x6mm ²	8.5	LKSM-FRHF	52	-
98HM10650111	1x10mm ²	10	LKSM-FRHF	72	-
98HM10650112	1x16mm ²	11	LKSM-FRHF	95	-
98HM10650113	1x25mm ²	13	LKSM-FRHF	127	-
98HM10650114	1x35mm ²	14	LKSM-FRHF	157	-
98HM10650115	1x50mm ²	16	LKSM-FRHF	196	-
98HM10650116	1x70mm ²	18.5	LKSM-FRHF	242	-
98HM10650117	1x95mm ²	20.5	LKSM-FRHF	293	-
98HM10650118	1x120mm ²	22.5	LKSM-FRHF	339	-
98HM10650119	1x150mm ²	25	LKSM-FRHF	389	-
98HM10650120	1x185mm ²	27.5	LKSM-FRHF	444	-
98HM10650121	1x240mm ²	30.5	LKSM-FRHF	522	-
98HM10650122	1x300mm ²	33.5	LKSM-FRHF	601	-
98HM10650207	2x1.5mm ²	10.5	LKSM-FRHF	20	-
98HM10650208	2x2.5mm ²	11.5	LKSM-FRHF	26	-
98HM10650209	2x4mm ²	13	LKSM-FRHF	34	-
98HM10650210	2x6mm ²	14	LKSM-FRHF	44	-
98HM10650211	2x10mm ²	16.5	LKSM-FRHF	61	-
98HM10650212	2x16mm ²	19	LKSM-FRHF	82	-
98HM10650213	2x25mm ²	23.5	LKSM-FRHF	108	-
98HM10650214	2x35mm ²	26	LKSM-FRHF	133	-
98HM10650215	2x50mm ²	29.5	LKSM-FRHF	167	-
98HM10650216	2x70mm ²	34	LKSM-FRHF	206	-
98HM10650307	3x1.5mm ²	11	LKSM-FRHF	16	-
98HM10650308	3x2.5mm ²	12	LKSM-FRHF	21	-
98HM10650309	3x4mm ²	13.5	LKSM-FRHF	28	-
98HM10650310	3x6mm ²	15	LKSM-FRHF	36	-
98HM10650311	3x10mm ²	17.5	LKSM-FRHF	50	-
98HM10650312	3x16mm ²	20	LKSM-FRHF	67	-
98HM10650313	3x25mm ²	25	LKSM-FRHF	89	-
98HM10650314	3x35mm ²	28	LKSM-FRHF	110	-
98HM10650315	3x50mm ²	31.5	LKSM-FRHF	137	-
98HM10650316	3x70mm ²	36.5	LKSM-FRHF	169	-

Article No.	Description	Outside Ø mm	Type	Current Amp	IMPA
98HM10650317	3x95mm ²	40.5	LKSM-FRHF	205	-
98HM10650318	3x120mm ²	45.5	LKSM-FRHF	237	-
98HM10650407	4x1.5mm ²	12	LKSM-FRHF	16	-
98HM10650408	4x2.5mm ²	13.5	LKSM-FRHF	21	-
98HM10650409	4x4mm ²	14.5	LKSM-FRHF	28	-
98HM10650410	4x6mm ²	16.5	LKSM-FRHF	36	-
98HM10650411	4x10mm ²	19.5	LKSM-FRHF	50	-
98HM10650412	4x16mm ²	22.5	LKSM-FRHF	67	-
98HM10650413	4x25mm ²	27.5	LKSM-FRHF	89	-
98HM10650414	4x35mm ²	30.5	LKSM-FRHF	110	-
98HM10650415	4x50mm ²	35	LKSM-FRHF	137	-
98HM10650416	4x70mm ²	40	LKSM-FRHF	169	-
98HM10650417	4x95mm ²	46	LKSM-FRHF	205	-
98HM10650507	5x1.5mm ²	13.5	LKSM-FRHF	13	-
98HM10650508	5x2.5mm ²	14.5	LKSM-FRHF	17	-
98HM10650707	7x1.5mm ²	14.5	LKSM-FRHF	12	-
98HM10650708	7x2.5mm ²	16	LKSM-FRHF	16	-
98HM10651007	10x1.5mm ²	18	LKSM-FRHF	11	-
98HM10651008	10x2.5mm ²	20	LKSM-FRHF	14	-
98HM10651207	12x1.5mm ²	19	LKSM-FRHF	10	-
98HM10651208	12x2.5mm ²	21	LKSM-FRHF	14	-
98HM10651407	14x1.5mm ²	20	LKSM-FRHF	10	-
98HM10651408	14x2.5mm ²	22.5	LKSM-FRHF	13	-
98HM10651607	16x1.5mm ²	21	LKSM-FRHF	9	-
98HM10651608	16x2.5mm ²	23.5	LKSM-FRHF	12	-
98HM10651906	19x1.5mm ²	22	LKSM-FRHF	9	-
98HM10651907	19x2.5mm ²	24.5	LKSM-FRHF	11	-
98HM10652406	24x1.5mm ²	26	LKSM-FRHF	8	-
98HM10652407	24x2.5mm ²	29	LKSM-FRHF	10	-
98HM10652706	27x1.5mm ²	26.5	LKSM-FRHF	8	-
98HM10652707	27x2.5mm ²	29.5	LKSM-FRHF	10	-
98HM10653706	37x1.5mm ²	29.5	LKSM-FRHF	7	-
98HM10653707	37x2.5mm ²	33	LKSM-FRHF	9	-

Electrical Cables COAX

COAX Cable RG 214 U HALOGEN FREE

Inner conductor diameter: Ø 7 x 0,75mm, Conductor material: CU-Silverplated, Insulation: PE, Screen: 1st Cu-Silverplated, Screen: 2nd Cu-Silverplated, Jacket: HM2. With MIL-C-17F Standards. Sheath flame retardant, non-corrosive thermoplastic free of halogens diameter: Ø 10,8mm.

Electrical properties at +20 °C:

Impedance: 50 Ohm ± 2 Capacitance 100 pF/m. Velocity ratio 66%. Insulation resistance inner conduct.: 6 Ohm/km, braid 4.2 Ohm/km. Tension sheath, spark testing: 5.5 kV. Temperature range: -30 °C / +70 °C. Colour Black RAL 9004.

Article No.	Description	Outside Ø mm	Weight kg/km	Copper index	IMPA
98HM56010040	RG 214 U Halogen Free	10.8	207.6	117.7 kg/km	-



Electrical Cables COAX

COAX Cable RG 6 U HALOGEN FREE

Inner conductor copperweld diameter: $\varnothing 1 \times 0,72\text{mm}$. Insulation low density polyethylene: 4,7mm. Screen: 1st Cu-Silverplated. Screen: 2nd Cu-bare.

Sheath flame retardant, non-corrosive thermoplastic free of halogens diameter: $\varnothing 8,5\text{mm}$.

Electrical properties at +20°C:

Impedance: $75 \text{ Ohm} \pm 3$ Capacitance 67 pF/m. Velocity ratio: 66%. Insulation resistance inner conduct.: 97 Ohm/km, braid 5 Ohm/km. Tension sheat, spark testing: 7.0 kV. Temperature range: $-30 \text{ }^\circ\text{C} / +70 \text{ }^\circ\text{C}$. Colour Black RAL 9004.



Article No.	Description	Outside \varnothing mm	Weight kg/km	Copper index	IMPA
98HM5501005	RG 06 AU Halogen Free	8.5	112.4	50.5 kg/km	-



COAX Cable RG 59 BU HALOGEN FREE

Inner conductor copperweld diameter: $\varnothing 1 \times 0,58\text{mm}$. Insulation low density polyethylene: 3,7mm. Screen: 1st Cu-Silverplated. Screen: 2nd PET (polyester tape).

Sheath flame retardant, non-corrosive thermoplastic free of halogens diameter: $\varnothing 6.2\text{mm}$.

Electrical properties at +20°C:

Impedance: $75 \text{ Ohm} \pm 3$ Capacitance 67 pF/m. Velocity ratio: 66%. Insulation resistance inner conduct.: 154 Ohm/km, braid 13 Ohm/km. Tension sheat, spark testing: 5.0 kV. Temperature range: $-30 \text{ }^\circ\text{C} / +70 \text{ }^\circ\text{C}$. Colour Black RAL 9004.

Article No.	Description	Outside \varnothing mm	Weight kg/km	Copper index	IMPA
98HM55010020	RG 59 BU Halogen free	6.2	51.2	14.7 kg/km	-



COAX Cable RG 58 CU HALOGEN FREE

Inner conductor copperweld diameter: $\varnothing 19 \times 0,18\text{mm}$. Insulation low density polyethylene: 2,95mm. Screen: 1st Cu-Silverplated. Screen: 2nd PET (polyester tape).

Sheath flame retardant, non-corrosive thermoplastic free of halogens diameter: $\varnothing 5.0\text{mm}$.

Electrical properties at +20°C:

Impedance: $50 \text{ Ohm} \pm 3$ Capacitance 100 pF/m. Velocity ratio: 66%. Insulation resistance inner conduct.: 36.5 Ohm/km, braid 15 Ohm/km. Tension sheat, spark testing: 4.0 kV. Temperature range: $-30 \text{ }^\circ\text{C} / +70 \text{ }^\circ\text{C}$. Colour Black RAL 9004.

Article No.	Description	Outside \varnothing mm	Weight kg/km	Copper index	IMPA
98HM55010011	RG 58 CU Halogen Free	5.0	51.2	14.7 kg/km	-



COAX Cable RG 58 CU

Inner conductor copperweld diameter: $\varnothing 19 \times 0,18\text{mm}$. Insulation low density polyethylene: 2,95mm. Screen: 1st Cu-Silverplated.

Sheath non-contaminating polyvinyl-chloride (PVC) diameter: $\varnothing 5.0\text{mm}$.

Electrical properties at +20°C:

Impedance: $50 \text{ Ohm} \pm 3$ Capacitance 100 pF/m. Velocity ratio: 66%. Insulation resistance inner conduct.: 36.5 Ohm/km, braid 15 Ohm/km. Tension sheat, spark testing: 4.0 kV. Temperature range: $-30 \text{ }^\circ\text{C} / +70 \text{ }^\circ\text{C}$. Colour Black RAL 9004.

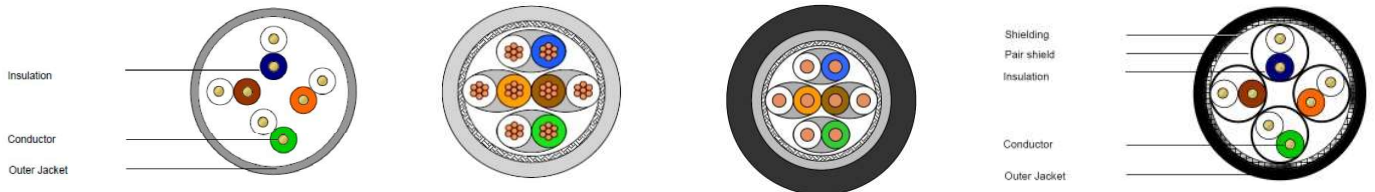
Article No.	Description	Outside \varnothing mm	Weight kg/km	Copper index	IMPA
98HM55010010	RG 58 CU	5.0	37.3	15.1 kg/km	-



Electrical DATA Cable

DATA CABLE

For DATA CABLE such as CAT, FTP, UTP, VIDEO etc. contact our product specialists. We offer several brands as Helkama Bica, Draka, Belden etc.



Electrical replacement cord for electrical (hand)tools

Replacement cord Neoprene rubber H07RN-F with vulcanized plug

2-core for double insulated class II electrical tools and 3-core for class I electrical tools with earth connector.

Article No.	Description	Length mtr.	IMPA
770180	2 x 1.0mm ² class II	3	-
770179	2 x 1.0mm ² class II	5	-
770181	2 x 1.0mm ² class II	10	-
770182	2 x 1.5mm ² class II	3	-
770183	2 x 1.5mm ² class II	5	-
770185	2 x 1.5mm ² class II	10	-
770184	3 x 1.5mm ² class I	5	-
770186	3 x 1.5mm ² class I	10	-

