



IEC Standard Caledonian Offshore & Marine Cables

MariSig Flame Retardant Instrumentation & Control Cables

www.caledonian-cables.co.uk

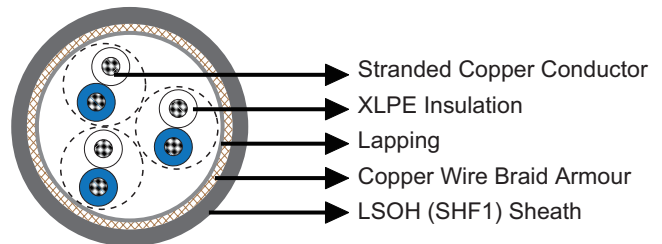
FMGCH 150/250V XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant Instrumentation & Control Cables (Multipair/Multitriple)

Application

These armoured cables are used on board of ships in all locations for fixed installations complying with IEC standards 60092-352. These cables are flame retardant, low smoke & halogen free, suitable for installations on passenger ships, as on other commercial vessels.

Standards

- IEC 60092-350/351/376/359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor.
- Insulation: XLPE.
- Cabling Element: Pair/Triple.
- Inner Covering: Lapped polyester tape.
- Armour: Copper wire braid.
- Outer Sheath: LSOH (SHF1).

Core Identification

Pair: White/blue with printed pair number and core number.

Triple: White/blue/red with printed triple number.



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times OD$

Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

Part No.	Construction No. of elements \times No. of cores in element \times Cross section (mm^2)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
FMGCH -1P0.75	1 \times 2 \times 0.75	0.5	1.2	8.1	90
FMGCH -2P0.75	2 \times 2 \times 0.75	0.5	1.3	9.3	130
FMGCH -3P0.75	3 \times 2 \times 0.75	0.5	1.4	12.4	200
FMGCH -4P0.75	4 \times 2 \times 0.75	0.5	1.4	13.1	230
FMGCH -5P0.75	5 \times 2 \times 0.75	0.5	1.8	15.2	320
FMGCH -6P0.75	6 \times 2 \times 0.75	0.5	1.8	16.1	350
FMGCH -7P0.75	7 \times 2 \times 0.75	0.5	1.8	16.1	370
FMGCH -8P0.75	8 \times 2 \times 0.75	0.5	1.9	17.2	420
FMGCH -10P0.75	10 \times 2 \times 0.75	0.5	1.9	19.1	500
FMGCH -12P0.75	12 \times 2 \times 0.75	0.5	2.0	20.0	560
FMGCH -14P0.75	14 \times 2 \times 0.75	0.5	2.0	20.6	610
FMGCH -16P0.75	16 \times 2 \times 0.75	0.5	2.1	22.2	690
FMGCH -19P0.75	19 \times 2 \times 0.75	0.5	2.1	23.6	790
FMGCH -20P0.75	20 \times 2 \times 0.75	0.5	2.1	23.6	800
FMGCH -24P0.75	24 \times 2 \times 0.75	0.5	2.2	26.8	980
FMGCH -30P0.75	30 \times 2 \times 0.75	0.5	2.3	29.1	1160
FMGCH -37P0.75	37 \times 2 \times 0.75	0.5	2.4	31.1	1360
FMGCH -1P1.0	1 \times 2 \times 1.0	0.5	1.3	8.7	110
FMGCH -2P1.0	2 \times 2 \times 1.0	0.5	1.3	9.7	150
FMGCH -3P1.0	3 \times 2 \times 1.0	0.5	1.4	13.2	230
FMGCH -4P1.0	4 \times 2 \times 1.0	0.5	1.8	14.6	310
FMGCH -5P1.0	5 \times 2 \times 1.0	0.5	1.8	16.1	360
FMGCH -6P1.0	6 \times 2 \times 1.0	0.5	1.9	17.3	420
FMGCH -7P1.0	7 \times 2 \times 1.0	0.5	1.9	17.3	440
FMGCH -8P1.0	8 \times 2 \times 1.0	0.5	1.9	18.3	490
FMGCH -10P1.0	10 \times 2 \times 1.0	0.5	2.0	20.5	590
FMGCH -12P1.0	12 \times 2 \times 1.0	0.5	2.0	21.3	660
FMGCH -14P1.0	14 \times 2 \times 1.0	0.5	2.1	22.2	730
FMGCH -16P1.0	16 \times 2 \times 1.0	0.5	2.1	23.7	820
FMGCH -19P1.0	19 \times 2 \times 1.0	0.5	2.2	25.4	940





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FMGCH -20P1.0	20×2×1.0	0.5	2.2	25.4	960
FMGCH -24P1.0	24×2×1.0	0.5	2.3	28.9	1170
FMGCH -30P1.0	30×2×1.0	0.5	2.4	31.3	1400
FMGCH -37P1.0	37×2×1.0	0.5	2.5	33.5	1640
FMGCH -1P1.5	1×2×1.5	0.6	1.3	9.7	140
FMGCH -2P1.5	2×2×1.5	0.6	1.3	10.9	190
FMGCH -3P1.5	3×2×1.5	0.6	1.8	15.7	340
FMGCH -4P1.5	4×2×1.5	0.6	1.9	16.8	400
FMGCH -5P1.5	5×2×1.5	0.6	1.9	18.6	480
FMGCH -6P1.5	6×2×1.5	0.6	2.0	20.0	550
FMGCH -7P1.5	7×2×1.5	0.6	2.0	20.0	590
FMGCH -8P1.5	8×2×1.5	0.6	2.0	21.2	650
FMGCH -10P1.5	10×2×1.5	0.6	2.1	23.8	800
FMGCH -12P1.5	12×2×1.5	0.6	2.2	24.9	900
FMGCH -14P1.5	14×2×1.5	0.6	2.2	25.8	990
FMGCH -16P1.5	16×2×1.5	0.6	2.3	27.8	1130
FMGCH -19P1.5	19×2×1.5	0.6	2.3	29.6	1290
FMGCH -20P1.5	20×2×1.5	0.6	2.3	29.6	1320
FMGCH -24P1.5	24×2×1.5	0.6	2.5	33.9	1630
FMGCH -30P1.5	30×2×1.5	0.6	2.8	37.3	2040
FMGCH -37P1.5	37×2×1.5	0.6	2.9	39.9	2390
FMGCH -1T0.75	1×3×0.75	0.5	1.3	8.7	110
FMGCH -2T0.75	2×3×0.75	0.5	1.4	12.6	210
FMGCH -3T0.75	3×3×0.75	0.5	1.4	13.3	240
FMGCH -4T0.75	4×3×0.75	0.5	1.8	15.2	330
FMGCH -5T0.75	5×3×0.75	0.5	1.9	16.8	400
FMGCH -6T0.75	6×3×0.75	0.5	1.9	18.6	470
FMGCH -7T0.75	7×3×0.75	0.5	1.9	18.6	490
FMGCH -8T0.75	8×3×0.75	0.5	2.0	20.0	560
FMGCH -10T0.75	10×3×0.75	0.5	2.1	22.5	690
FMGCH -12T0.75	12×3×0.75	0.5	2.1	23.6	770
FMGCH -14T0.75	14×3×0.75	0.5	2.1	24.5	850
FMGCH -16T0.75	16×3×0.75	0.5	2.2	26.1	950
FMGCH -19T0.75	19×3×0.75	0.5	2.3	28.2	1100
FMGCH -20T0.75	20×3×0.75	0.5	2.3	28.6	1140
FMGCH -24T0.75	24×3×0.75	0.5	2.4	31.1	1340
FMGCH -30T0.75	30×3×0.75	0.5	2.5	34.3	1620
FMGCH -32T0.75	32×3×0.75	0.5	2.5	35.4	1720
FMGCH -1T1.0	1×3×1.0	0.5	1.3	9.1	130

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FMGCH-2T1.0	2×3×1.0	0.5	1.4	13.4	240
FMGCH-3T1.0	3×3×1.0	0.5	1.8	14.9	320
FMGCH-4T1.0	4×3×1.0	0.5	1.8	16.1	380
FMGCH-5T1.0	5×3×1.0	0.5	1.9	17.8	460
FMGCH-6T1.0	6×3×1.0	0.5	2.0	20.0	560
FMGCH-7T1.0	7×3×1.0	0.5	2.0	20.0	590
FMGCH-8T1.0	8×3×1.0	0.5	2.0	21.3	660
FMGCH-10T1.0	10×3×1.0	0.5	2.1	24.0	810
FMGCH-12T1.0	12×3×1.0	0.5	2.2	25.4	920
FMGCH-14T1.0	14×3×1.0	0.5	2.2	26.4	1020
FMGCH-16T1.0	16×3×1.0	0.5	2.3	28.1	1150
FMGCH-19T1.0	19×3×1.0	0.5	2.4	30.3	1330
FMGCH-20T1.0	20×3×1.0	0.5	2.4	30.8	1380
FMGCH-24T1.0	24×3×1.0	0.5	2.5	33.5	1620
FMGCH-30T1.0	30×3×1.0	0.5	2.8	37.5	2060
FMGCH-32T1.0	32×3×1.0	0.5	2.9	38.9	2190
FMGCH-1T1.5	1×3×1.5	0.6	1.3	10.2	160
FMGCH-2T1.5	2×3×1.5	0.6	1.8	16.0	350
FMGCH-3T1.5	3×3×1.5	0.6	1.9	17.1	430
FMGCH-4T1.5	4×3×1.5	0.6	1.9	18.6	510
FMGCH-5T1.5	5×3×1.5	0.6	2.0	20.6	620
FMGCH-6T1.5	6×3×1.5	0.6	2.1	23.2	750
FMGCH-7T1.5	7×3×1.5	0.6	2.1	23.2	800
FMGCH-8T1.5	8×3×1.5	0.6	2.2	24.9	900
FMGCH-10T1.5	10×3×1.5	0.6	2.3	28.1	1110
FMGCH-12T1.5	12×3×1.5	0.6	2.3	29.6	1260
FMGCH-14T1.5	14×3×1.5	0.6	2.4	31.0	1410
FMGCH-16T1.5	16×3×1.5	0.6	2.5	33.0	1590
FMGCH-19T1.5	19×3×1.5	0.6	2.5	35.4	1830
FMGCH-20T1.5	20×3×1.5	0.6	2.8	36.7	2010
FMGCH-24T1.5	24×3×1.5	0.6	2.9	39.9	2360
FMGCH-30T1.5	30×3×1.5	0.6	3.1	44.2	2880
FMGCH-32T1.5	32×3×1.5	0.6	3.1	45.7	3060

