



MGCH

Application

- Fixed installations in marine vehicles
- Minimizes radio interferences and electrical influences
- For open deck applications in passenger ships

Features



- Flame retardant : IEC - 60332-3 (Cat A)
- Tests & Materials : IEC - 60092/350-351-359
- Halogen free : IEC 60754 / 1-2
- Shielding Effectiveness : DIN EN 50147-1
- Electron Beam Cross Linked
- Smoke Density : IEC 61034 / 1-2 (DIN EN 50268/1-2)
- Oil resistant

Product Construction

- Conductor : Electrolytic, stranded, annealed copper wire.
IEC 60228 Class 2 (Class 5 / tinned on request)
- Insulation : HEPR Compound (Halogen free)
- Inner Sheath : Halogen free compound
- Separator Foil : Glass Mica Tape
- Screen : Electrolytic Copper Braided Screen
(90% coverage) MGCH (EMC) type is wrapped by a Copper tape in addition to this screen for 100% coverage
- Separator Foil : Glass Mica Tape
- Outer Sheath : Halogen free, flame retardant, thermoset, polyolefin based jacket compound (Black or Grey)

Technical Data

- Temperature Range : - 40°C to +120°C
- Rated Voltage (U₀/U) : 0.6/1kV
- Test Voltage : 3.5 kV
- Bending Radius(Min) : 8 x Cable Diameter
- Short-circuit temp. (max.) : 280°C

ISO 9001	ISO 14001	AS 9100	ISO 45001	CE



Part Number	Number of Cores and mm ² Per Conductor	Outer Diameter in mm approx.	Copper Index Kg/Km	Total Weight Kg/Km approx.
301 13 XX*	1 x 1.5	6.5	43	115
301 16 XX	1 x 2.5	7.0	55	120
301 19 XX	1 x 4	7.5	76	140
301 23 XX	1 x 6	8.5	99	170
301 27 XX	1 x 10	9.5	144	220
301 28 XX	1 x 16	10.0	209	300
301 30 XX	1 x 25	12.0	306	410
301 32 XX	1 x 35	13.0	411	510
301 34 XX	1 x 50	15.0	567	690
301 37 XX	1 x 70	17.0	774	960
301 38 XX	1 x 95	19.0	1029	1230
301 41 XX	1 x 120	21.0	1311	1470
301 42 XX	1 x 150	23.0	1610	1810
301 44 XX	1 x 185	25.5	1963	2220
301 46 XX	1 x 240	28.5	2501	2830
301 48 XX	1 x 300	31.0	3181	3500
301 13 02	2 x 1.5	11.0	100	210
301 16 02	2 x 2.5	12.0	127	250
301 19 02	2 x 4	13.0	165	310
301 23 02	2 x 6	14.5	212	410
301 27 02	2 x 10	17.0	302	530
301 28 02	2 x 16	19.5	466	740
301 30 02	2 x 25	22.5	665	1050
301 13 03	3 x 1.5	12.0	120	240
301 16 03	3 x 2.5	12.5	156	290
301 19 03	3 x 4	13.5	210	360
301 23 03	3 x 6	15.5	277	480
301 27 03	3 x 10	17.5	412	650
301 28 03	3 x 16	19.5	631	900
301 30 03	3 x 25	23.5	919	1310
301 32 03	3 x 35	26.0	1228	1710



Part Number	Number of Cores and mm ² Per Conductor	Outer Diameter in mm approx.	Copper Index Kg/Km	Total Weight Kg/Km approx.
301 34 03	3 x 50	29.0	1698	2210
301 37 03	3 x 70	34.5	2408	3080
301 38 03	3 x 95	39.0	3187	4110
301 41 03	3 x 120	43.0	3970	5060
301 13 04	4 x 1.5	12.5	142	270
301 16 04	4 x 2.5	13.5	185	330
301 19 04	4 x 4	15.0	279	460
301 23 04	4 x 6	16.5	366	570
301 27 04	4 x 10	19.0	540	810
301 28 04	4 x 16	21.0	791	1120
301 30 04	4 x 25	26.0	1165	1660
301 32 04	4 x 35	28.5	1573	2150
301 34 04	4 x 50	32.5	2273	2780
301 37 04	4 x 70	38.5	3085	3960
301 38 04	4 x 95	44.0	4105	5220
301 13 05	5 x 1.5	13.5	166	320
301 13 07	7 x 1.5	14.0	204	410
301 13 10	10 x 1.5	16.5	313	480
301 13 12	12 x 1.5	18.0	348	530
301 13 14	14 x 1.5	18.5	387	590
301 13 16	16 x 1.5	19.5	427	660
301 13 19	19 x 1.5	20.5	481	740
301 13 24	24 x 1.5	23.5	596	910

Note : XX* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.

Red - 01	Yellow - 02	Blue - 03	Black - 04	Green - 05	Yellow-Green - 06	Grey - 07	Brown - 08	White - 09	Orange - 10	Violet - 11
Chocolate - 12	Tan - 13	Charcoal - 14	LT Blue - 15	DK Grey - 16	LT Green - 17	DK Green - 18	DK Blue - 19	Purple - 20	Pink - 21	

