

MGCH



Areas of Use

Used as fixed installation cable in marine vehicles. Screening layer forms a shield for protection against electromagnetic interferences. Halogen-Free and Flame Retardant construction ensure non-corrosive and highly visible environment during a fire.

Cable Construction

| | |
|----------------------------|---|
| Conductor | Stranded Annealed Copper (IEC/EN 60228, Class 2) (tinned copper and/or Class 5 versions are available upon request) |
| Insulation | HEPR (IEC 60092-360) |
| Core Colors | According to HD 308 S2 (# of Cores ≥ 5 => White numbered) |
| Separator | PET Foil (HFFR filler upon request) |
| Overall Screen | Annealed Copper Wire Braiding (90% Coverage) |
| Outer Sheath | HFFR (IEC 60092-360 SHF1), RAL 9005 - Black or RAL 7001 - Grey |
| Reference Standards | IEC 60092-353 |

Technical Properties

| | |
|------------------------------------|---|
| Operating Voltage | 0.6/1 (1.2) kV |
| Test Voltage | 3.5 kV (a.c.) 8.4 kV (d.c) |
| Conductor Resistance | IEC/EN 60228 |
| Insulation Resistance | >5000 M. Ω xkm |
| Temperature Range | -40 °C.....+90 °C |
| Flame Retardancy | IEC/EN 60332-1-2, IEC/EN 60332-3-22 (CAT A) |
| Smoke Density | IEC/EN 61034-1+2 |
| Amount of Halogen Acid Gas | IEC/EN 60754-1 |
| Corrosive Gases Measurement | IEC/EN 60754-2 |
| Min. Bending Radius (Fixed) | 8 x Cable Diameter |

Cross Section

| Configuration / Cross-Section (mm/mm ²) | Cable Diameter (mm) ($\pm 5\%$) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|-----------------------------------|-------------------------|--------------------------|
| 10x0.75 | 13.2 | 125 | 207 |
| 10x0.75 | 13,2 | 125 | 207 |
| 1x1 | 5.8 | 25 | 54 |
| 1x1 | 5,8 | 25 | 54 |
| 2x1 | 10.7 | 59 | 179 |
| 2x1 | 10,7 | 59 | 179 |
| 3x1 | 11.2 | 73 | 197 |

| | | | |
|------|------|-----|-----|
| 3x1 | 11,2 | 73 | 197 |
| 4x1 | 12,1 | 86 | 230 |
| 4x1 | 12,1 | 86 | 230 |
| 5x1 | 12,9 | 100 | 255 |
| 5x1 | 12,9 | 100 | 255 |
| 6x1 | 13,6 | 113 | 285 |
| 6x1 | 13,6 | 113 | 285 |
| 7x1 | 13,6 | 122 | 292 |
| 7x1 | 13,6 | 122 | 292 |
| 8x1 | 13,8 | 165 | 281 |
| 8x1 | 13,8 | 165 | 281 |
| 9x1 | 14,7 | 174 | 313 |
| 9x1 | 14,7 | 174 | 313 |
| 12x1 | 15,4 | 198 | 306 |
| 12x1 | 15,4 | 198 | 306 |
| 14x1 | 16,1 | 235 | 335 |
| 14x1 | 16,1 | 235 | 335 |
| 16x1 | 17,0 | 253 | 388 |
| 16x1 | 17,0 | 253 | 388 |
| 18x1 | 17,8 | 272 | 419 |
| 18x1 | 17,8 | 272 | 419 |
| 19x1 | 17,8 | 281 | 429 |
| 19x1 | 17,8 | 281 | 429 |
| 20x1 | 17,8 | 290 | 439 |
| 20x1 | 17,8 | 290 | 439 |
| 21x1 | 18,7 | 316 | 464 |
| 21x1 | 18,7 | 316 | 464 |
| 24x1 | 20,7 | 344 | 532 |
| 24x1 | 20,7 | 344 | 532 |
| 25x1 | 20,7 | 354 | 541 |
| 25x1 | 20,7 | 354 | 541 |
| 27x1 | 21,2 | 390 | 569 |
| 27x1 | 21,2 | 390 | 569 |
| 30x1 | 22,1 | 409 | 621 |
| 30x1 | 22,1 | 409 | 621 |
| 32x1 | 22,8 | 454 | 652 |
| 32x1 | 22,8 | 454 | 652 |
| 36x1 | 23,6 | 491 | 705 |
| 36x1 | 23,6 | 491 | 705 |
| 37x1 | 23,6 | 500 | 715 |
| 37x1 | 23,6 | 500 | 715 |
| 40x1 | 24,7 | 528 | 773 |
| 40x1 | 24,7 | 528 | 773 |
| 42x1 | 25,6 | 547 | 813 |
| 42x1 | 25,6 | 547 | 813 |
| 48x1 | 27,1 | 628 | 905 |

| | | | |
|--------|------|-----|------|
| 48x1 | 27,1 | 628 | 905 |
| 60x1 | 29.5 | 740 | 1076 |
| 60x1 | 29,5 | 740 | 1076 |
| 1x1.5 | 6.1 | 35 | 63 |
| 1x1.5 | 6,1 | 35 | 63 |
| 2x1.5 | 11.5 | 71 | 209 |
| 2x1.5 | 11,5 | 71 | 209 |
| 3x1.5 | 12.0 | 93 | 233 |
| 3x1.5 | 12,0 | 93 | 233 |
| 4x1.5 | 12.8 | 114 | 267 |
| 4x1.5 | 12,8 | 114 | 267 |
| 5x1.5 | 13.7 | 100 | 299 |
| 5x1.5 | 13,7 | 100 | 299 |
| 6x1.5 | 15.0 | 174 | 377 |
| 6x1.5 | 15,0 | 174 | 377 |
| 7x1.5 | 15.0 | 188 | 379 |
| 7x1.5 | 15,0 | 188 | 379 |
| 8x1.5 | 15.0 | 188 | 388 |
| 8x1.5 | 15,0 | 188 | 388 |
| 9x1.5 | 15.7 | 216 | 381 |
| 9x1.5 | 15,7 | 216 | 381 |
| 12x1.5 | 16.8 | 272 | 390 |
| 12x1.5 | 16,8 | 272 | 390 |
| 14x1.5 | 17.6 | 300 | 429 |
| 14x1.5 | 17,6 | 300 | 429 |
| 16x1.5 | 18.4 | 344 | 666 |
| 16x1.5 | 18,4 | 344 | 666 |
| 18x1.5 | 19.5 | 372 | 537 |
| 18x1.5 | 19,5 | 372 | 537 |
| 19x1.5 | 19.5 | 386 | 551 |
| 19x1.5 | 19,5 | 386 | 551 |
| 20x1.5 | 19.5 | 400 | 567 |
| 20x1.5 | 19,5 | 400 | 567 |
| 21x1.5 | 20.5 | 414 | 598 |
| 21x1.5 | 20,5 | 414 | 598 |
| 24x1.5 | 22.7 | 473 | 685 |
| 24x1.5 | 22,7 | 473 | 685 |
| 25x1.5 | 22.7 | 487 | 699 |
| 25x1.5 | 22,7 | 487 | 699 |
| 27x1.5 | 23.2 | 533 | 737 |
| 27x1.5 | 23,2 | 533 | 737 |
| 30x1.5 | 24.2 | 575 | 806 |
| 30x1.5 | 24,2 | 575 | 806 |
| 32x1.5 | 24.9 | 603 | 848 |
| 32x1.5 | 24,9 | 603 | 848 |
| 36x1.5 | 25.8 | 658 | 922 |

| | | | |
|--------|------|------|------|
| 36x1.5 | 25,8 | 658 | 922 |
| 37x1.5 | 25,8 | 672 | 936 |
| 37x1.5 | 25,8 | 672 | 936 |
| 40x1.5 | 27,0 | 740 | 1013 |
| 40x1.5 | 27,0 | 740 | 1013 |
| 42x1.5 | 28,1 | 768 | 1013 |
| 42x1.5 | 28,1 | 768 | 1013 |
| 48x1.5 | 29,7 | 740 | 1076 |
| 48x1.5 | 29,7 | 740 | 1076 |
| 60x1.5 | 32,4 | 1045 | 1424 |
| 60x1.5 | 32,4 | 1045 | 1424 |
| 1x2.5 | 6,5 | 44 | 76 |
| 1x2.5 | 6,5 | 44 | 76 |
| 2x2.5 | 12,5 | 94 | 248 |
| 2x2.5 | 12,5 | 94 | 248 |
| 3x2.5 | 12,9 | 128 | 282 |
| 3x2.5 | 12,9 | 128 | 282 |
| 4x2.5 | 13,8 | 151 | 328 |
| 4x2.5 | 13,8 | 151 | 328 |
| 5x2.5 | 15,3 | 201 | 410 |
| 5x2.5 | 15,3 | 201 | 410 |
| 6x2.5 | 16,2 | 249 | 462 |
| 6x2.5 | 16,2 | 249 | 462 |
| 7x2.5 | 16,2 | 272 | 481 |
| 7x2.5 | 16,2 | 272 | 481 |
| 8x2.5 | 16,4 | 295 | 447 |
| 8x2.5 | 16,4 | 295 | 447 |
| 9x2.5 | 17,5 | 319 | 500 |
| 9x2.5 | 17,5 | 319 | 500 |
| 10x2.5 | 17,9 | 337 | 462 |
| 10x2.5 | 17,9 | 337 | 462 |
| 12x2.5 | 18,7 | 400 | 525 |
| 12x2.5 | 18,7 | 400 | 525 |
| 14x2.5 | 19,5 | 447 | 594 |
| 14x2.5 | 19,5 | 447 | 594 |
| 16x2.5 | 20,7 | 493 | 666 |
| 16x2.5 | 20,7 | 493 | 666 |
| 18x2.5 | 21,7 | 556 | 729 |
| 18x2.5 | 21,7 | 556 | 729 |
| 19x2.5 | 21,7 | 581 | 751 |
| 19x2.5 | 21,7 | 581 | 751 |
| 20x2.5 | 21,7 | 604 | 776 |
| 20x2.5 | 21,7 | 604 | 776 |
| 21x2.5 | 22,9 | 627 | 819 |
| 21x2.5 | 22,9 | 627 | 819 |
| 24x2.5 | 25,2 | 714 | 936 |

| | | | |
|--------|------|------|------|
| 24x2.5 | 25,2 | 714 | 936 |
| 25x2.5 | 25,2 | 738 | 959 |
| 25x2.5 | 25,2 | 738 | 959 |
| 27x2.5 | 25,8 | 784 | 1015 |
| 27x2.5 | 25,8 | 784 | 1015 |
| 30x2.5 | 26,8 | 879 | 1110 |
| 30x2.5 | 26,8 | 879 | 1110 |
| 32x2.5 | 27,8 | 926 | 1173 |
| 32x2.5 | 27,8 | 926 | 1173 |
| 36x2.5 | 28,8 | 1019 | 1281 |
| 36x2.5 | 28,8 | 1019 | 1281 |
| 37x2.5 | 28,8 | 1042 | 1304 |
| 37x2.5 | 28,8 | 1042 | 1304 |
| 40x2.5 | 30,2 | 1138 | 1413 |
| 40x2.5 | 30,2 | 1138 | 1413 |
| 42x2.5 | 31,3 | 1185 | 1478 |
| 42x2.5 | 31,3 | 1185 | 1478 |
| 48x2.5 | 33,2 | 1325 | 1663 |
| 48x2.5 | 33,2 | 1325 | 1663 |
| 1x4 | 7,1 | 63 | 97 |
| 1x4 | 7,1 | 63 | 97 |
| 2x4 | 13,5 | 131 | 311 |
| 2x4 | 13,5 | 131 | 311 |
| 3x4 | 14,1 | 170 | 355 |
| 3x4 | 14,1 | 170 | 355 |
| 4x4 | 15,7 | 259 | 463 |
| 4x4 | 15,7 | 259 | 463 |
| 5x4 | 16,9 | 289 | 527 |
| 5x4 | 16,9 | 289 | 527 |
| 1x6 | 7,6 | 82 | 121 |
| 1x6 | 7,6 | 82 | 121 |
| 2x6 | 15,0 | 201 | 416 |
| 2x6 | 15,0 | 201 | 416 |
| 3x6 | 15,7 | 280 | 481 |
| 3x6 | 15,7 | 280 | 481 |
| 4x6 | 16,9 | 334 | 572 |
| 4x6 | 16,9 | 334 | 572 |
| 5x6 | 18,5 | 398 | 667 |
| 5x6 | 18,5 | 398 | 667 |
| 1x10 | 8,7 | 124 | 171 |
| 1x10 | 8,7 | 124 | 171 |
| 2x10 | 16,8 | 294 | 551 |
| 2x10 | 16,8 | 294 | 551 |
| 3x10 | 17,9 | 391 | 663 |
| 3x10 | 17,9 | 391 | 663 |
| 4x10 | 19,3 | 500 | 797 |

| | | | |
|------|------|------|------|
| 4x10 | 19,3 | 500 | 797 |
| 5x10 | 21.1 | 601 | 932 |
| 5x10 | 21,1 | 601 | 932 |
| 1x16 | 9.7 | 184 | 233 |
| 1x16 | 9,7 | 184 | 233 |
| 2x16 | 19.0 | 424 | 739 |
| 2x16 | 19,0 | 424 | 739 |
| 3x16 | 20.0 | 578 | 890 |
| 3x16 | 20,0 | 578 | 890 |
| 4x16 | 21.9 | 742 | 1092 |
| 4x16 | 21,9 | 742 | 1092 |
| 5x16 | 24.1 | 898 | 1295 |
| 5x16 | 24,1 | 898 | 1295 |
| 1x25 | 11.6 | 278 | 343 |
| 1x25 | 11,6 | 278 | 343 |
| 2x25 | 22.6 | 609 | 1065 |
| 2x25 | 22,6 | 609 | 1065 |
| 3x25 | 24.1 | 867 | 1311 |
| 3x25 | 24,1 | 867 | 1311 |
| 4x25 | 26.4 | 1123 | 1622 |
| 4x25 | 26,4 | 1123 | 1622 |
| 5x25 | 29.0 | 1342 | 1921 |
| 5x25 | 29,0 | 1342 | 1921 |
| 1x35 | 12.7 | 379 | 439 |
| 1x35 | 12,7 | 379 | 439 |
| 3x35 | 26.5 | 1174 | 1666 |
| 3x35 | 26,5 | 1174 | 1666 |
| 4x35 | 29.2 | 1495 | 2076 |
| 4x35 | 29,2 | 1495 | 2076 |
| 1x50 | 14.9 | 549 | 616 |
| 1x50 | 14,9 | 549 | 616 |
| 2x50 | 29.5 | 1124 | 1858 |
| 2x50 | 29,5 | 1124 | 1858 |
| 3x50 | 30.2 | 1620 | 2197 |
| 3x50 | 30,2 | 1620 | 2197 |
| 4x50 | 33.3 | 2108 | 2744 |
| 4x50 | 33,3 | 2108 | 2744 |
| 1x70 | 17.0 | 753 | 842 |
| 1x70 | 17,0 | 753 | 842 |
| 2x70 | 33.3 | 1524 | 2450 |
| 2x70 | 33,3 | 1524 | 2450 |
| 3x70 | 35.2 | 2206 | 3051 |
| 3x70 | 35,2 | 2206 | 3051 |
| 4x70 | 39.2 | 2995 | 3910 |
| 4x70 | 39,2 | 2995 | 3910 |
| 1x95 | 18.8 | 1002 | 1094 |

| | | | |
|--------|------|-------|-------|
| 1x95 | 18,8 | 1002 | 1094 |
| 3x95 | 39,6 | 3061 | 4046 |
| 3x95 | 39,6 | 3061 | 4046 |
| 4x95 | 44,0 | 3975 | 5110 |
| 4x95 | 44,0 | 3975 | 5110 |
| 1x120 | 20,7 | 1252 | 1357 |
| 1x120 | 20,7 | 1252 | 1357 |
| 3x120 | 43,7 | 3799 | 4998 |
| 3x120 | 43,7 | 3799 | 4998 |
| 4x120 | 48,4 | 4953 | 6317 |
| 4x120 | 48,4 | 4953 | 6317 |
| 1x150 | 22,8 | 1531 | 1653 |
| 1x150 | 22,8 | 1531 | 1653 |
| 3x150 | 48,3 | 4687 | 6117 |
| 3x150 | 48,3 | 4687 | 6117 |
| 4x150 | 53,6 | 6071 | 7732 |
| 4x150 | 53,6 | 6071 | 7732 |
| 1x185 | 25,0 | 1874 | 2027 |
| 1x185 | 25,0 | 1874 | 2027 |
| 3x185 | 53,6 | 5698 | 7539 |
| 3x185 | 53,6 | 5698 | 7539 |
| 4x185 | 59,7 | 7471 | 9585 |
| 4x185 | 59,7 | 7471 | 9585 |
| 1x240 | 27,9 | 2411 | 2614 |
| 1x240 | 27,9 | 2411 | 2614 |
| 3x240 | 60,1 | 7304 | 9717 |
| 3x240 | 60,1 | 7304 | 9717 |
| 4x240 | 66,7 | 9585 | 12333 |
| 4x240 | 66,7 | 9585 | 12333 |
| 1x300 | 30,7 | 2995 | 3217 |
| 1x300 | 30,7 | 2995 | 3217 |
| 3x300 | 67,2 | 9070 | 12224 |
| 3x300 | 67,2 | 9070 | 12224 |
| 1x400 | 34,0 | 3926 | 4036 |
| 1x400 | 34,0 | 3926 | 4036 |
| 3x400 | 75,6 | 11961 | 15884 |
| 3x400 | 75,6 | 11961 | 15884 |
| 1x1000 | 53,0 | 9846 | 10435 |
| 1x1000 | 53,0 | 9846 | 10435 |

21.06.2026 14:31

Legal Warning: The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via info@2mkablo.com or call +90 (212) 222 8250.