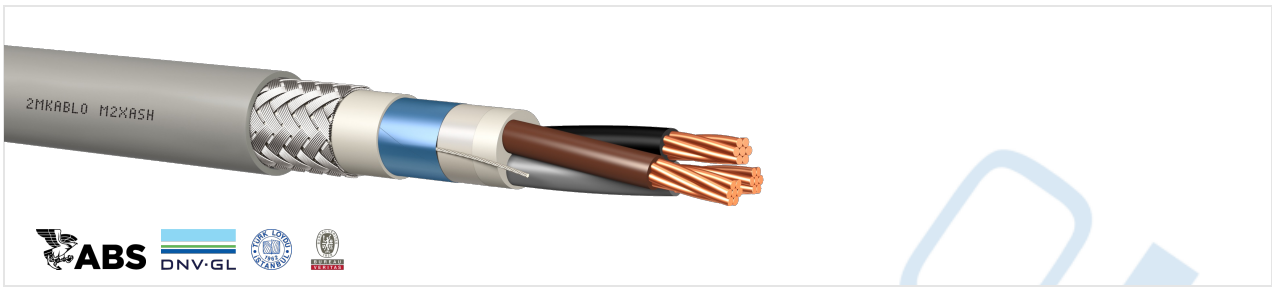


M2XASH



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 | XLPE (IEC 60092-360) |
| Core Colors | According to HD 308 S2 (# of Cores ≥ 5 => White numbered) |
| Lay-up | Cores are stranded in layers |
| Separator | PET Foil |
| Overall Screen | Al-PET Foil (with Tinned Copper Drain Wire) |
| Inner Sheath | HFFR |
| Armour | Galvanised Steel Wire Braid |
| 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 | 1.5 kV (a.c) 3.6 kV (d.c) |
| Conductor Resistance | IEC/EN 60228 |
| Insulation Resistance | >5000 M.Ωxkm |
| 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) (± 5%) | Copper Weight (kg / km) | ~ Cable Weight (kg / km) |
|---|----------------------------|-------------------------|--------------------------|
| 1x1 | 6.2 | 17 | 53 |
| 1x1 | 6,2 | 17 | 53 |
| 2x1 | 9.1 | 27 | 95 |
| 2x1 | 9,1 | 27 | 95 |

| | | | |
|--------|------|-----|-----|
| 3x1 | 9.6 | 37 | 104 |
| 3x1 | 9,6 | 37 | 104 |
| 4x1 | 10.4 | 47 | 125 |
| 4x1 | 10,4 | 47 | 125 |
| 5x1 | 11.1 | 56 | 151 |
| 5x1 | 11,1 | 56 | 151 |
| 7x1 | 12.0 | 76 | 181 |
| 7x1 | 12,0 | 76 | 181 |
| 12x1 | 15.3 | 125 | 278 |
| 12x1 | 15,3 | 125 | 278 |
| 16x1 | 16.9 | 164 | 367 |
| 16x1 | 16,9 | 164 | 367 |
| 19x1 | 17.8 | 194 | 402 |
| 19x1 | 17,8 | 194 | 402 |
| 24x1 | 20.7 | 243 | 496 |
| 24x1 | 20,7 | 243 | 496 |
| 27x1 | 21.1 | 273 | 546 |
| 27x1 | 21,1 | 273 | 546 |
| 37x1 | 23.6 | 371 | 710 |
| 37x1 | 23,6 | 371 | 710 |
| 1x1.5 | 6.5 | 22 | 59 |
| 1x1.5 | 6,5 | 22 | 59 |
| 2x1.5 | 9.7 | 36 | 112 |
| 2x1.5 | 9,7 | 36 | 112 |
| 3x1.5 | 10.2 | 50 | 126 |
| 3x1.5 | 10,2 | 50 | 126 |
| 4x1.5 | 11.0 | 65 | 151 |
| 4x1.5 | 11,0 | 65 | 151 |
| 5x1.5 | 11.9 | 79 | 186 |
| 5x1.5 | 11,9 | 79 | 186 |
| 7x1.5 | 12.9 | 108 | 224 |
| 7x1.5 | 12,9 | 108 | 224 |
| 12x1.5 | 16.6 | 180 | 353 |
| 12x1.5 | 16,6 | 180 | 353 |
| 16x1.5 | 18.3 | 237 | 467 |
| 16x1.5 | 18,3 | 237 | 467 |
| 19x1.5 | 19.2 | 280 | 512 |
| 19x1.5 | 19,2 | 280 | 512 |
| 24x1.5 | 22.4 | 352 | 634 |
| 24x1.5 | 22,4 | 352 | 634 |
| 27x1.5 | 23.0 | 395 | 699 |
| 27x1.5 | 23,0 | 395 | 699 |
| 37x1.5 | 25.7 | 539 | 916 |
| 37x1.5 | 25,7 | 539 | 916 |
| 1x2.5 | 6.9 | 32 | 72 |
| 1x2.5 | 6,9 | 32 | 72 |

| | | | |
|--------|------|-----|------|
| 2x2.5 | 10.6 | 55 | 143 |
| 2x2.5 | 10,6 | 55 | 143 |
| 3x2.5 | 11.2 | 78 | 165 |
| 3x2.5 | 11,2 | 78 | 165 |
| 4x2.5 | 12.1 | 101 | 199 |
| 4x2.5 | 12,1 | 101 | 199 |
| 5x2.5 | 13.2 | 124 | 248 |
| 5x2.5 | 13,2 | 124 | 248 |
| 7x2.5 | 14.3 | 171 | 306 |
| 7x2.5 | 14,3 | 171 | 306 |
| 12x2.5 | 18.5 | 286 | 487 |
| 12x2.5 | 18,5 | 286 | 487 |
| 16x2.5 | 20.4 | 379 | 651 |
| 16x2.5 | 20,4 | 379 | 651 |
| 19x2.5 | 21.5 | 448 | 716 |
| 19x2.5 | 21,5 | 448 | 716 |
| 24x2.5 | 25.1 | 564 | 890 |
| 24x2.5 | 25,1 | 564 | 890 |
| 27x2.5 | 25.7 | 634 | 984 |
| 27x2.5 | 25,7 | 634 | 984 |
| 37x2.5 | 28.8 | 865 | 1299 |
| 37x2.5 | 28,8 | 865 | 1299 |
| 1x4 | 7.5 | 45 | 91 |
| 1x4 | 7,5 | 45 | 91 |
| 2x4 | 11.7 | 82 | 186 |
| 2x4 | 11,7 | 82 | 186 |
| 3x4 | 12.4 | 118 | 216 |
| 3x4 | 12,4 | 118 | 216 |
| 4x4 | 13.5 | 155 | 271 |
| 4x4 | 13,5 | 155 | 271 |
| 1x6 | 8.1 | 64 | 116 |
| 1x6 | 8,1 | 64 | 116 |
| 2x6 | 13.0 | 119 | 243 |
| 2x6 | 13,0 | 119 | 243 |
| 3x6 | 13.7 | 174 | 288 |
| 3x6 | 13,7 | 174 | 288 |
| 4x6 | 14.9 | 230 | 360 |
| 4x6 | 14,9 | 230 | 360 |
| 1x10 | 8.9 | 102 | 163 |
| 1x10 | 8,9 | 102 | 163 |
| 2x10 | 14.5 | 195 | 345 |
| 2x10 | 14,5 | 195 | 345 |
| 3x10 | 15.5 | 289 | 420 |
| 3x10 | 15,5 | 289 | 420 |
| 4x10 | 16.9 | 382 | 536 |
| 4x10 | 16,9 | 382 | 536 |

| | | | |
|------|------|------|------|
| 1x16 | 9.9 | 155 | 224 |
| 1x16 | 9,9 | 155 | 224 |
| 2x16 | 20.6 | 302 | 661 |
| 2x16 | 20,6 | 302 | 661 |
| 3x16 | 21.7 | 449 | 796 |
| 3x16 | 21,7 | 449 | 796 |
| 4x16 | 23.4 | 596 | 988 |
| 4x16 | 23,4 | 596 | 988 |
| 1x25 | 11.7 | 242 | 333 |
| 1x25 | 11,7 | 242 | 333 |
| 2x25 | 24.3 | 475 | 983 |
| 2x25 | 24,3 | 475 | 983 |
| 3x25 | 25.7 | 708 | 1186 |
| 3x25 | 25,7 | 708 | 1186 |
| 4x25 | 27.8 | 941 | 1485 |
| 4x25 | 27,8 | 941 | 1485 |
| 1x35 | 12.8 | 330 | 433 |
| 1x35 | 12,8 | 330 | 433 |
| 2x35 | 26.5 | 651 | 1257 |
| 2x35 | 26,5 | 651 | 1257 |
| 3x35 | 28.1 | 972 | 1530 |
| 3x35 | 28,1 | 972 | 1530 |
| 4x35 | 30.5 | 1294 | 1927 |
| 4x35 | 30,5 | 1294 | 1927 |
| 1x50 | 14.2 | 436 | 557 |
| 1x50 | 14,2 | 436 | 557 |
| 2x50 | 29.3 | 863 | 1613 |
| 2x50 | 29,3 | 863 | 1613 |
| 3x50 | 31.1 | 1290 | 1966 |
| 3x50 | 31,1 | 1290 | 1966 |
| 4x50 | 34.4 | 1718 | 2491 |
| 4x50 | 34,4 | 1718 | 2491 |
| 1x70 | 17.1 | 645 | 802 |
| 1x70 | 17,1 | 645 | 802 |
| 2x70 | 36.3 | 1281 | 2406 |
| 2x70 | 36,3 | 1281 | 2406 |
| 3x70 | 38.6 | 1917 | 2987 |
| 3x70 | 38,6 | 1917 | 2987 |
| 4x70 | 42.2 | 2554 | 3763 |
| 4x70 | 42,2 | 2554 | 3763 |
| 1x95 | 18.0 | 858 | 1024 |
| 1x95 | 18,0 | 858 | 1024 |
| 2x95 | 38.3 | 1707 | 2964 |
| 2x95 | 38,3 | 1707 | 2964 |
| 3x95 | 40.7 | 2557 | 3727 |
| 3x95 | 40,7 | 2557 | 3727 |

| | | | |
|-------|------|------|------|
| 4x95 | 45.0 | 3406 | 4740 |
| 4x95 | 45,0 | 3406 | 4740 |
| 1x120 | 20.1 | 1227 | 1422 |
| 1x120 | 20,1 | 1227 | 1422 |
| 3x120 | 45.5 | 3666 | 5073 |
| 3x120 | 45,5 | 3666 | 5073 |
| 4x120 | 50.3 | 4885 | 6547 |
| 4x120 | 50,3 | 4885 | 6547 |
| 1x150 | 21.9 | 1390 | 1616 |
| 1x150 | 21,9 | 1390 | 1616 |
| 3x150 | 49.9 | 4154 | 5869 |
| 3x150 | 49,9 | 4154 | 5869 |
| 4x150 | 54.8 | 5536 | 7484 |
| 4x150 | 54,8 | 5536 | 7484 |
| 1x185 | 24.4 | 1659 | 1925 |
| 1x185 | 24,4 | 1659 | 1925 |
| 3x185 | 55.7 | 4960 | 7045 |
| 3x185 | 55,7 | 4960 | 7045 |
| 1x240 | 28.7 | 2174 | 2500 |
| 1x240 | 28,7 | 2174 | 2500 |
| 3x240 | 65.4 | 6504 | 9336 |
| 3x240 | 65,4 | 6504 | 9336 |
| 1x300 | 29.8 | 3053 | 3402 |
| 1x300 | 29,8 | 3053 | 3402 |

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