

SOLAR CABLES



MESLA WIRE & CABLE SDN. BHD
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CORPORATE PROFILE

Mesla Wire & Cable Sdn. Bhd. is a prominent cable manufacturing factory situated in Melaka, Malaysia. Founded in 2014, and we underwent a rebranding in 2020, adopting the name Mesla Wire & Cable Sdn Bhd. a private entity of Malaysia
Mesla Wire & Cable has solidified its presence in the market over the past decade, specializing in the production of high-quality cables to meet various industrial and commercial needs.

Throughout its operational history, Mesla Wire & Cable has consistently demonstrated a commitment to excellence in manufacturing, innovation, and customer satisfaction. The company's state-of-the-art facilities, coupled with a dedicated team of professionals, enable it to produce a wide range of cables that adhere to stringent quality standards.

Located strategically in Melaka, Mesla Wire & Cable benefits from its central position within Malaysia, facilitating efficient distribution networks both domestically and internationally. The company's reputation for reliability, durability, and performance has earned it a trusted status among clients across various industries.



TECHNICAL DATA



Copper Conductor Resistance (mm²)

| Nominal cross-sectional area | Minimum number of wires in the conductor Class 2 | Maximum diameter of wires in the conductor | | Maximum resistance of conductor at 20°C (Ohm/km) | | | |
|------------------------------|---|--|---------|--|---------------|-------------------|---------------|
| | | Class 5 | Class 6 | Class 2 | | Class 5 & Class 6 | |
| (mm ²) | | (mm) | (mm) | Plain copper | Tinned copper | Plain copper | Tinned copper |
| 0.5 | 7 | 0.21 | 0.16 | 36 | 36.7 | 39 | 40.1 |
| 0.75 | 7 | 0.21 | 0.16 | 24.5 | 24.8 | 26 | 26.7 |
| 1 | 7 | 0.21 | 0.16 | 18.1 | 18.2 | 19.5 | 20 |
| 1.5 | 7 | 0.26 | 0.16 | 12.1 | 12.2 | 13.3 | 13.7 |
| 2.5 | 7 | 0.26 | 0.16 | 7.41 | 7.56 | 7.98 | 8.21 |
| 4 | 7 | 0.31 | 0.16 | 4.61 | 4.70 | 4.95 | 5.09 |
| 6 | 7 | 0.31 | 0.21 | 3.08 | 3.11 | 3.3 | 3.39 |
| 10 | 7 | 0.41 | 0.21 | 1.83 | 1.84 | 1.91 | 1.95 |
| 16 | 7 | 0.41 | 0.21 | 1.15 | 1.16 | 1.21 | 1.24 |
| 25 | 7 | 0.41 | 0.21 | 0.727 | 0.734 | 0.78 | 0.795 |
| 35 | 7 | 0.41 | 0.21 | 0.524 | 0.529 | 0.554 | 0.565 |
| 50 | 19 | 0.41 | 0.31 | 0.387 | 0.391 | 0.386 | 0.393 |
| 70 | 19 | 0.51 | 0.31 | 0.268 | 0.270 | 0.272 | 0.277 |
| 95 | 19 | 0.51 | 0.31 | 0.193 | 0.195 | 0.206 | 0.210 |
| 120 | 37 | 0.51 | 0.31 | 0.153 | 0.154 | 0.161 | 0.164 |
| 150 | 37 | 0.51 | 0.31 | 0.124 | 0.126 | 0.129 | 0.132 |
| 185 | 37 | 0.51 | 0.41 | 0.0991 | 0.1 | 0.106 | 0.108 |
| 240 | 61 | 0.51 | 0.41 | 0.0754 | 0.0762 | 0.0891 | 0.0817 |
| 300 | 61 | 0.51 | 0.41 | 0.0601 | 0.0607 | 0.0641 | 0.0654 |
| 400 | 61 | 0.51 | | 0.0470 | 0.0475 | 0.0486 | |
| 500 | 61 | 0.61 | | 0.0366 | 0.0369 | 0.0384 | |
| 630 | 91 | 0.61 | | 0.0283 | 0.0286 | 0.0287 | |
| 800 | 91 | | | 0.0221 | 0.0224 | | |
| 1000 | 91 | | | 0.0176 | 0.0177 | | |