



POWER CABLES

SIMH

✓STUDIO ✓INSTALLATION

PVC

OFC

APPLICATION

These cables are designed for connections of exposed to extreme temperature changes. Often used in iron and steel manufacturing industry, aerospace industry, shipbuilding industry, lighting fixtures, ceramic, glass and cement factories.

CONSTRUCTION DATA

Conductor Stranded Copper Wire (HD 383 S2 Class 5)
 Conductor Insulation Silicone compound (HD 22.1 S4 / EI2)
 Core identification Color coded (DIN VDE 0293-308)
 Outer Sheath Silicone compound (HD 22.1 S4 / EM9)

ELECTRICAL DATA

Operating voltage 300/500 V
 Test voltage 2kV
 Insulation Resistance > 2000 MΩ x km

| Core Numbers x Section | Outer Diameter | Conductor Resistance | Weight | Current Carrying Capacity |
|------------------------|-----------------|----------------------|---------|---------------------------|
| mm ² | mm ² | Ω / km | Kg / Km | A |
| 2 x 1,5 | 7.4 | 13.3 | 82 | 22 |
| 2 x 2,5 | 9.2 | 7.98 | 115 | 30 |
| 2 x 4 | 10.8 | 4,95 | 176 | 40 |
| 3 x 1,5 | 8.0 | 13.3 | 94 | 22 |
| 3 x 2,5 | 9.8 | 7.98 | 145 | 30 |
| 3 x 4 | 11.3 | 4,95 | 220 | 40 |
| 4 x 1,5 | 8.5 | 13.3 | 123 | 18.5 |
| 4 x 2,5 | 10.6 | 7.98 | 178 | 25 |
| 4 x 4 | 13.0 | 4,95 | 300 | 34 |
| 5 x 1,5 | 9.4 | 13.3 | 155 | 18.5 |
| 5 x 2,5 | 11.6 | 7.98 | 227 | 25 |
| 5 x 4 | 14.2 | 4,95 | 370 | 34 |

MECHANICAL DATA

Minimum bending radius 10 x D (D= outer diameter)
 Temperature range -60° C to + 180° C
 Short-circuit temperature Max. 350°C
 Flame retardant IEC 60332-1-2
 Low smoke density IEC 61034-1
 Halogen-free IEC 60754-1-2

■ RED BROWN

■ BLACK

