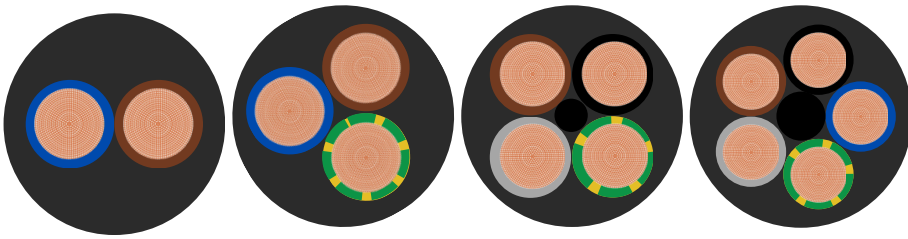




H07RN-F RUBBER CABLE (450/750V)



| | |
|---|--|
| Conductor: | Class 5 tinned copper according to VDE 0295 IEC 60228 |
| Standard : | EN50525-2-21 |
| Rated Voltage: | Moving Installation 450/750V, fixed Installation 0.6/1KV |
| Insulation : | EPR(R-EP-90) Type EI7 complies with insulation material EN50363-1 |
| Sheath : | CPE(Heavy duty) |
| Color of outer sheath: | Black |
| Core colors: | 2 Core: Brown, Blue 3 Core: Green / Yellow, Brown, Blue 4 Core: Green / Yellow, Brown, Black, Grey 5 Core: Green / Yellow, Brown, Black, Grey, Blue |
| Conductor Temperature in service | -40°C ~ +90°C |
| Flame retardant: | Comply with IEC60332-1-2 experimental requirements |
| Bending radius: | ≥ (D is cable OD) 6D Fixed laying, ≥ 8D For moving |
| Other character: | Fresh water, salt water, Oil resistance, weather resistant, Ozone resistant, UV resistant |
| Application: | For industrial and workshop equipment, flexible connections to motors, generators, compressors, stage and audio visual equipment, fairgrounds, sporting venues, limit switches, mobile machines and engines on construction sites, dry/damp/oily environments. |



Technical Data Sheet

Phone: 1800 100 000
Website: www.powermac.net.au
Email: sales@powermac.net.au
Address: 3/260 Musgrave Road
Coopers Plains, QLD, 4108

Structure Size

| Product Code | Cable Size mm ² | NO. OF Cores | Amperage | 20°C MAX conductor DC resistance < Ω/km | Approximate OD | Approx. weight Kg/Km |
|--------------|----------------------------|--------------|----------|---|----------------|----------------------|
| HM001.52C | 1.5 | 2Cores | 24 | 13.7 | 9.5±0.5 | 124 |
| HM002.52C | 2.5 | 2Cores | 32 | 8.21 | 11.1±0.6 | 177 |
| HM0042C | 4 | 2Cores | 43 | 5.09 | 13±0.7 | 252 |
| HM0062C | 6 | 2Cores | 55 | 3.39 | 14.4±0.8 | 326 |
| HM0102C | 10 | 2Cores | 78 | 1.95 | 19.7±0.9 | 586 |
| HM0162C | 16 | 2Cores | 103 | 1.24 | 22.3±1.1 | 803 |
| HM001.53C | 1.5 | 3Cores | 20 | 13.7 | 10.1±0.6 | 147 |
| HM002.53C | 2.5 | 3Cores | 27 | 8.21 | 11.9±0.6 | 210 |
| HM0043C | 4 | 3Cores | 36 | 5.09 | 13.9±0.7 | 301 |
| HM0063C | 6 | 3Cores | 46 | 3.39 | 15.4±0.8 | 393 |
| HM0103C | 10 | 3Cores | 66 | 1.95 | 21.2±1.1 | 707 |
| HM0163C | 16 | 3Cores | 87 | 1.24 | 23.9±1.1 | 977 |
| HM001.54C | 1.5 | 4Cores | 20 | 13.7 | 11.2±0.6 | 180 |
| HM002.54C | 2.5 | 4Cores | 27 | 8.21 | 13.2±0.7 | 257 |
| HM0044C | 4 | 4Cores | 36 | 5.09 | 15.2±0.8 | 371 |
| HM0064C | 6 | 4Cores | 46 | 3.39 | 17±0.9 | 492 |
| HM0104C | 10 | 4Cores | 66 | 1.95 | 22.8±1.1 | 868 |
| HM0164C | 16 | 4Cores | 87 | 1.24 | 26.3±1.1 | 1206 |
| HM001.55C | 1.5 | 5Cores | 20 | 13.7 | 12.3±0.6 | 217 |
| HM002.55C | 2.5 | 5Cores | 27 | 8.21 | 14.3±0.7 | 309 |
| HM0045C | 4 | 5Cores | 36 | 5.09 | 16.9±0.8 | 455 |
| HM0065C | 6 | 5Cores | 46 | 3.39 | 19±0.9 | 595 |
| HM0105C | 10 | 5Cores | 66 | 1.95 | 25.7±1.3 | 1070 |
| HM0165C | 16 | 5Cores | 87 | 1.24 | 29.6±1.5 | 1483 |



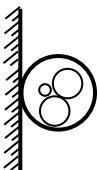
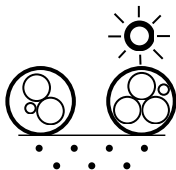
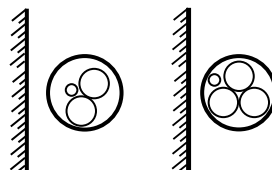
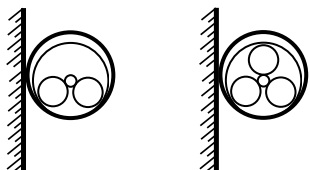
CURRENT CARRYING CAPACITIES

Cable Type: Two-Core Sheathed, Three and Four-Core Sheathed

Insulation Type: R-EP-90

Maximum Conductor Temperature: 90°C AND 105°C

Reference Ambient Temperature: 40°C IN AIR, 25°C IN Ground

| Conductor Size | CURRENT CARRYING CAPACITIES | | | | | | | |
|----------------|--|-----------|--|-----------|---|-----------|---|-----------|
| | Unenclosed | | | | | | Enclosed | |
| |  Touching | |  Exposed to the sun | |  Spaced | |  Wiring enclosure in air | |
| (SQMM) | 2 cores | 3/4 cores | 2 cores | 3/4 cores | 2 cores | 3/4 cores | 2 cores | 3/4 cores |
| 1 | 17 | 14 | 15 | 13 | 18 | 16 | 16 | 13 |
| 1.5 | 22 | 19 | 19 | 16 | 24 | 20 | 20 | 16 |
| 2.5 | 31 | 26 | 27 | 23 | 34 | 28 | 28 | 24 |
| 4 | 42 | 35 | 36 | 30 | 45 | 38 | 37 | 30 |
| 6 | 53 | 45 | 46 | 39 | 57 | 48 | 46 | 38 |
| 10 | 73 | 62 | 63 | 53 | 78 | 66 | 63 | 53 |
| 16 | 97 | 83 | 83 | 70 | 104 | 88 | 82 | 68 |