

### Silicone Rubber (H05S)

Braidless

300/500V, 180°C, peak temp 250°C

| De-<br>scription | Part<br>No. | UL NEC/<br>C(UL)/CEC<br>Type IEC | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Conductor<br>(Stranding)<br>Diameter<br>Nom. DCR | Nominal<br>Conductor OD |                            | Shielding<br>Material<br>Nom. DCR | Nominal OD |    | Application |
|------------------|-------------|----------------------------------|---------------------|---|-------------------------|----|--|-------------------------|----------------------------|-----------------------------------|------------|----|-------------|
|                  |             |                                  | ft.                 | m | lbs.                    | kg |  | AWG                     | Section<br>mm <sup>2</sup> |                                   | inch       | mm |             |

**180°C • 20 - 14 AWG • Stranded Tin-Plated Copper Wire**

**Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)

IEC 60754-1  
 VDE 0282  
 Part 3

Unshielded

For wiring in electrical appliances and lighting  
 up to a maximum operating temperature of 180°C.



H05S-K

|         |     |     |     |     |               |    |      |       |      |
|---------|-----|-----|-----|-----|---------------|----|------|-------|------|
| HMC4223 | 328 | 100 | 2.6 | 1.2 | (16x0.20) TPC | 20 | 0.50 | 0.098 | 2.50 |
| HMC4224 | 328 | 100 | 3.3 | 1.5 | (24x0.20) TPC | 18 | 0.75 | 0.106 | 2.70 |
| HMC4225 | 328 | 100 | 3.7 | 1.7 | (32x0.20) TPC | 17 | 1.00 | 0.110 | 2.80 |
| HMC4226 | 328 | 100 | 5.5 | 2.5 | (30x0.25) TPC | 16 | 1.50 | 0.130 | 3.30 |
| HMC4227 | 328 | 100 | 8.2 | 3.7 | (50x0.25) TPC | 14 | 2.50 | 0.154 | 3.90 |

**180°C • 20 - 14 AWG • Solid Tin-Plated Copper Wire**

**Silicone Halogen-Free Insulation** (Brown, Red, Orange, Yellow, Green, Violet, Grey, White, Black and Blue)

IEC 60754-1  
 VDE 0282  
 Part 3

Unshielded



H05S-U

|         |     |     |     |     |              |    |      |       |      |
|---------|-----|-----|-----|-----|--------------|----|------|-------|------|
| HMC4228 | 328 | 100 | 2.4 | 1.1 | (1x0.80) TPC | 20 | 0.50 | 0.094 | 2.40 |
| HMC4229 | 328 | 100 | 3.1 | 1.4 | (1x0.98) TPC | 18 | 0.75 | 0.098 | 2.50 |
| HMC4230 | 328 | 100 | 3.7 | 1.7 | (1x1.13) TPC | 17 | 1.00 | 0.106 | 2.70 |
| HMC4231 | 328 | 100 | 5.3 | 2.4 | (1x1.38) TPC | 16 | 1.50 | 0.122 | 3.10 |
| HMC4232 | 328 | 100 | 7.9 | 3.6 | (1x1.78) TPC | 14 | 2.50 | 0.146 | 3.70 |

TPC = Tin-Plated Copper • DCR = DC resistance