# MI Long Line Tracing Cable

| RESISTANCE & EARTH FAULT LOOP IMPEDANCE FOR MULTI-CORE CABLES | | | | |
|---|---|---|---|---|
| Values of R1 should be multiplied by 1.21 to establish the live conductor resistance under operating conditions (70 °C). | | | | |
| CABLE SIZE REFERENCE<br><br>BARE CABLE CC<br>LSF COVERED CCM<br><br>FOLLOWED BY | MAXIMUM CONDUCTOR RESISTANCE @ 20°C (R1)<br><br>Ω/km | MAXIMUM SHEATH RESISTANCE @ 20°C (R2)<br><br>Ω/km | EARTH-FAULT LOOP IMPEDANCE AT 70°C (R1+R2)<br>CABLE EXPOSED TO TOUCH OR PLASTIC COVERED<br><br>Ω/km | EFFECTIVE SHEATH AREA<br><br>mm² |
| 500V GRADE | | | | |
| 2L1 | 18.1 | 3.95 | 26.34 | 5.4 |
| 2L1.5 | 12.1 | 3.35 | 18.41 | 6.3 |
| 2L2.5 | 7.41 | 2.53 | 11.82 | 8.2 |
| 2L.4 | 4.61 | 1.96 | 8.03 | 11 |
| 3L1 | 18.1 | 3.15 | 25.44 | 6.7 |
| 3L1.5 | 12.1 | 2.67 | 17.64 | 7.8 |
| 3L2.5 | 7.41 | 2.23 | 11.48 | 9.5 |
| 4L1 | 18.1 | 2.71 | 24.94 | 7.7 |
| 4L1.5 | 12.1 | 2.33 | 17.26 | 9.1 |
| 4L2.5 | 7.41 | 1.85 | 11.05 | 11 |
| 7L1 | 18.1 | 2.06 | 24.20 | 10 |
| 7L1.5 | 12.1 | 1.78 | 16.64 | 12 |
| 7L2.5 | 7.41 | 1.36 | 10.49 | 15 |
| 750V GRADE | | | | |
| 2H1.5 | 12.1 | 1.90 | 16.77 | 11 |
| 2H2.5 | 7.41 | 1.63 | 10.80 | 13 |
| 2H4 | 4.61 | 1.35 | 7.10 | 16 |
| 2H6 | 3.08 | 1.13 | 5.00 | 18 |
| 2H10 | 1.83 | 0.887 | 3.215 | 24 |
| 2H16 | 1.15 | 0.695 | 2.177 | 30 |
| 2H25 | 0.727 | 0.546 | 1.496 | 38 |
| 3H1.5 | 12.1 | 1.75 | 16.60 | 12 |
| 3H2.5 | 7.41 | 1.47 | 10.61 | 14 |
| 3H4 | 4.61 | 1.23 | 6.96 | 17 |
| 3H6 | 3.08 | 1.03 | 4.89 | 20 |
| 3H10 | 1.83 | 0.783 | 3.097 | 27 |
| 3H16 | 1.15 | 0.622 | 2.094 | 34 |
| 3H25 | 0.727 | 0.500 | 1.444 | 42 |
| 4H1.5 | 12.1 | 1.51 | 16.33 | 14 |
| 4H2.5 | 7.41 | 1.29 | 10.41 | 16 |
| 4H4 | 4.61 | 1.04 | 6.75 | 20 |
| 4H6 | 3.08 | 0.887 | 4.72 | 24 |
| 4H10 | 1.83 | 0.690 | 2.991 | 30 |
| 4H16 | 1.15 | 0.533 | 1.994 | 39 |
| 4H25 | 0.727 | 0.423 | 1.357 | 49 |
| 7H1.5 | 12.1 | 1.15 | 15.92 | 18 |
| 7H2.5 | 7.41 | 0.959 | 10.04 | 22 |
| 12H1.5 | 12.1 | 0.744 | 15.463 | 29 |
| 12H2.5 | 7.41 | 0.630 | 9.663 | 34 |
| 19H1.5 | 12.1 | 0.570 | 15.266 | 37 |