

# Mica/Fiberglass - Type MGT 5107 (AWM)

High Temperature Lead Wire

UL: 450°C, 600V

CSA: 450°C, 600V, AWM I A/B, FT1



| IEWC Part Number   | AWG | Stranding | Nominal Insulation Thickness |     | Nominal O.D. |      | Approx. Weight |       |
|--------------------|-----|-----------|------------------------------|-----|--------------|------|----------------|-------|
|                    |     |           | in                           | mm  | in           | mm   | lbs/1k ft      | kg/km |
| <b>MGT22*/5107</b> | 22  | 7/30      | 0.035                        | 0.9 | 0.101        | 2.6  | 7              | 11    |
| <b>MGT20*/5107</b> | 20  | 10/30     | 0.035                        | 0.9 | 0.106        | 2.7  | 8              | 12    |
| <b>MGT18*/5107</b> | 18  | 16/30     | 0.035                        | 0.9 | 0.115        | 2.9  | 11             | 16    |
| <b>MGT16*/5107</b> | 16  | 26/30     | 0.035                        | 0.9 | 0.127        | 3.2  | 15             | 22    |
| <b>MGT14*/5107</b> | 14  | 41/30     | 0.035                        | 0.9 | 0.140        | 3.6  | 21             | 31    |
| <b>MGT12*/5107</b> | 12  | 65/30     | 0.035                        | 0.9 | 0.160        | 4.1  | 29             | 44    |
| <b>MGT10*/5107</b> | 10  | 105/30    | 0.048                        | 1.2 | 0.212        | 5.4  | 51             | 75    |
| <b>MGT08*/5107</b> | 8   | 133/29    | 0.048                        | 1.2 | 0.262        | 6.7  | 74             | 111   |
| <b>MGT06*/5107</b> | 6   | 133/27    | 0.053                        | 1.3 | 0.313        | 8.0  | 114            | 169   |
| <b>MGT04*/5107</b> | 4   | 133/25    | 0.053                        | 1.3 | 0.368        | 9.3  | 167            | 249   |
| <b>MGT02*/5107</b> | 2   | 133/23    | 0.058                        | 1.5 | 0.446        | 11.3 | 262            | 390   |

## Notes

- Soft-annealed, nickel-coated copper conductor
- Mica tape insulation
- Fiberglass braid jacket with high temperature Teflon finish
- RoHS Compliant
- Standard jacket color: natural (tan)

## Alternative Constructions

- Fiberglass braid jacket with high temperature silicone finish (MGS)

## Applications

For use in manufacturing and oven & furnace applications. Rated for continuous use up to 450°C.