

RATINGS / APPROVALS

450°C – 300 Volts - UL 5128 / CSA AWM I A/B FTI

450°C – 600 Volts - UL 5107 / CSA AWM I A/B FTI

450°C – 600 Volts - UL 5359 / CSA AWM I A/B FTI

CONSTRUCTION

Conductors

24 AWG – 6 AWG (300 Volts)

24 AWG – 2 AWG (600 Volts)

Stranded nickel-coated copper - 27%

(Other conductor materials available)

Insulating System

Mica Tape

Outer Covering

Fiberglass braid with high temperature finish

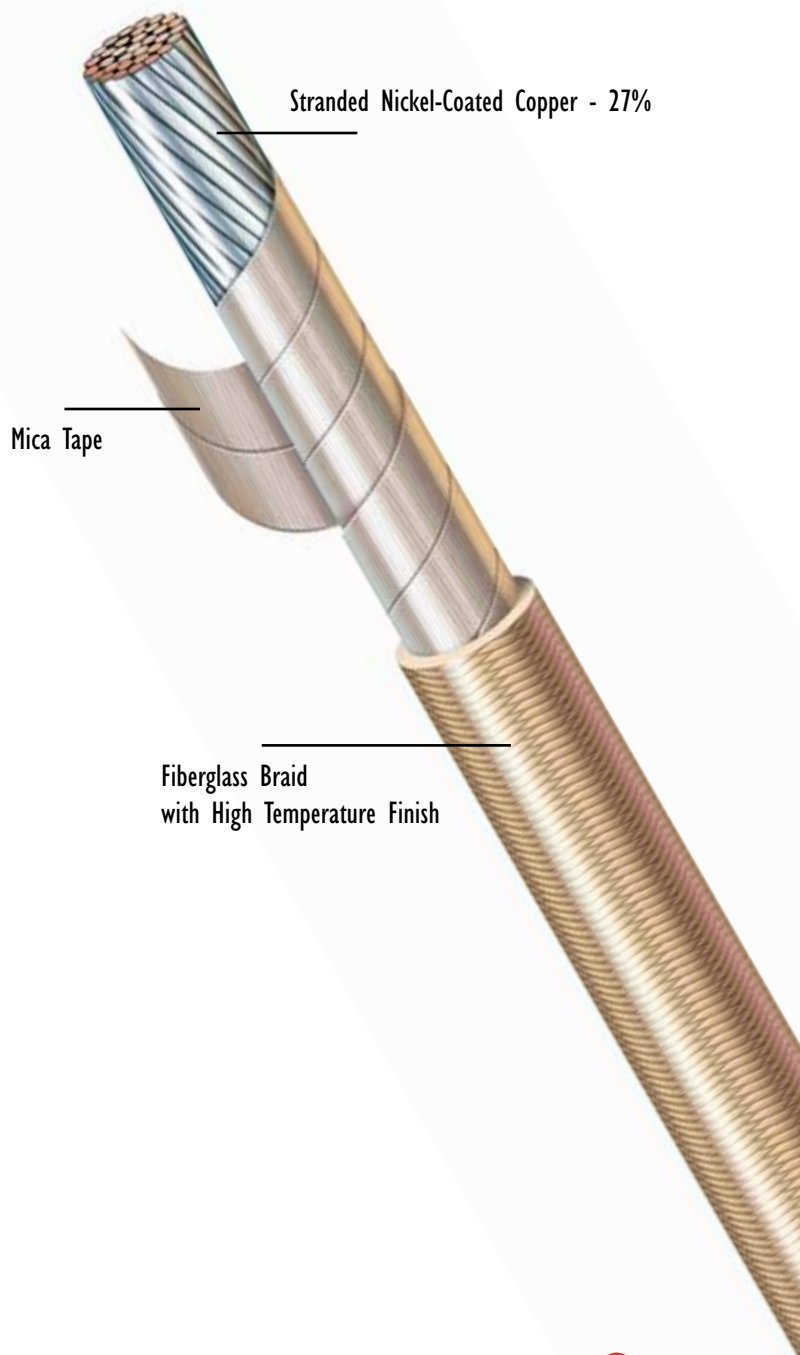
Standard Color Coding

Natural and Solid Colors

Colored Tracers

CHARACTERISTICS

- Resists braid fray and push back.
- Withstands mechanical abuse.



Stranded Nickel-Coated Copper - 27%

Mica Tape

Fiberglass Braid
with High Temperature Finish

Radix[™]

Radix Wire Company

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SPECIFICATIONS

MGT 450 HIGH-TEMPERATURE LEAD WIRE

MGT 450C/300V

| Part No. | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL | CSA |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|------|----------------|
| BDT24C007 | 24 | 7 | 0.072 | 1.83 | 3.80 | 5.65 | 5128 | AWM I A/B FT I |
| BDT22C007 | 22 | 7 | 0.082 | 2.08 | 5.33 | 7.93 | 5128 | AWM I A/B FT I |
| BDT20C010 | 20 | 10 | 0.087 | 2.21 | 6.50 | 9.67 | 5128 | AWM I A/B FT I |
| BDT18C016 | 18 | 16 | 0.095 | 2.41 | 8.75 | 13.02 | 5128 | AWM I A/B FT I |
| BDT16C026 | 16 | 26 | 0.107 | 2.72 | 12.37 | 18.40 | 5128 | AWM I A/B FT I |
| BDT14C041 | 14 | 41 | 0.121 | 3.07 | 17.41 | 25.91 | 5128 | AWM I A/B FT I |
| BDT12C065 | 12 | 65 | 0.140 | 3.56 | 25.53 | 37.99 | 5128 | AWM I A/B FT I |
| BDT10C105 | 10 | 105 | 0.189 | 4.80 | 46.80 | 69.64 | 5128 | AWM I A/B FT I |

MGT 450C/600V

| Part No. | Awg. Size | # Strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL | CSA |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|------|----------------|
| BFT22C007 | 22 | 7 | 0.101 | 2.58 | 7.10 | 10.56 | 5107 | AWM I A/B FT I |
| BFT20C010 | 20 | 10 | 0.106 | 2.69 | 8.35 | 12.42 | 5107 | AWM I A/B FT I |
| BFT18C016 | 18 | 16 | 0.115 | 2.93 | 10.77 | 16.02 | 5107 | AWM I A/B FT I |
| BFT16C026 | 16 | 26 | 0.127 | 3.23 | 14.55 | 21.65 | 5107 | AWM I A/B FT I |
| BFT14C041 | 14 | 41 | 0.140 | 3.58 | 20.73 | 30.85 | 5107 | AWM I A/B FT I |
| BFT12C065 | 12 | 65 | 0.160 | 4.06 | 29.37 | 43.71 | 5107 | AWM I A/B FT I |
| BFT10C105 | 10 | 105 | 0.212 | 5.38 | 50.52 | 75.18 | 5107 | AWM I A/B FT I |
| BFT08C133 | 8 | 133 | 0.262 | 6.65 | 74.29 | 110.56 | 5107 | AWM I A/B FT I |
| BFT06C133 | 6 | 133 | 0.313 | 7.95 | 113.64 | 169.12 | 5107 | AWM I A/B FT I |
| BFT02C133 | 2 | 133 | 0.446 | 11.40 | 262.02 | 389.94 | 5107 | AWM I A/B FT I |

MGE 450C/600V

| Part No. | Awg. size | # strands | Outer Dia. inches | Outer Dia. mm | Wgt - lbs per 1000 ft. | Wgt - kg per km | UL | CSA |
|-----------|-----------|-----------|-------------------|---------------|------------------------|-----------------|------|----------------|
| BBT22C007 | 22 | 7 | 0.084 | 2.13 | 6.06 | 9.03 | 5359 | AWM I A/B FT I |
| BBT20C010 | 20 | 10 | 0.090 | 2.29 | 7.23 | 10.77 | 5359 | AWM I A/B FT I |
| BBT18C016 | 18 | 16 | 0.097 | 2.46 | 9.53 | 14.20 | 5359 | AWM I A/B FT I |
| BBT16C026 | 16 | 26 | 0.107 | 2.72 | 13.81 | 20.58 | 5359 | AWM I A/B FT I |
| BBT14C041 | 14 | 41 | 0.121 | 3.07 | 18.19 | 27.10 | 5359 | AWM I A/B FT I |
| BBT12C065 | 12 | 65 | 0.141 | 3.58 | 27.60 | 41.12 | 5359 | AWM I A/B FT I |
| BBT10C105 | 10 | 105 | 0.190 | 4.83 | 48.54 | 72.32 | 5359 | AWM I A/B FT I |
| BBT08C133 | 8 | 133 | 0.240 | 6.10 | 72.53 | 108.07 | 5359 | AWM I A/B FT I |
| BBT06C133 | 6 | 133 | 0.281 | 7.14 | 105.82 | 157.67 | 5359 | AWM I A/B FT I |

Standard conductor: Nickel Coated Copper - 27%

Consult factory for alternate conductor and stranding options.

® Registered trademark of Radix.

All dimensions listed above are nominal.

Compliance: UL Listed File No. E22244 • CSA Certified File No. LL13427 or LL80670

Information included in this catalog is intended as a guideline only. For applications that require tight tolerances, please contact the Radix factory for dimensional verification. Information herein is believed to be accurate as of publication date; however, if an error exists it is unintentional and Radix Wire Company, Inc. is not responsible for any claim traceable to such error.



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