

450C/300V and 450C/600V

# MGT 450

## HIGH-TEMPERATURE LEAD WIRE

### 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

### CONSTRUCTION

#### Conductors

24 AWG - 6 AWG (300 Volts)

24 AWG - 4/0 AWG (600 Volts)

Stranded nickel-coated copper - 27%  
(Other conductor materials available)

#### Insulating System

Mica Tape

#### Outer Covering

Fiberglass braid with high temperature finish

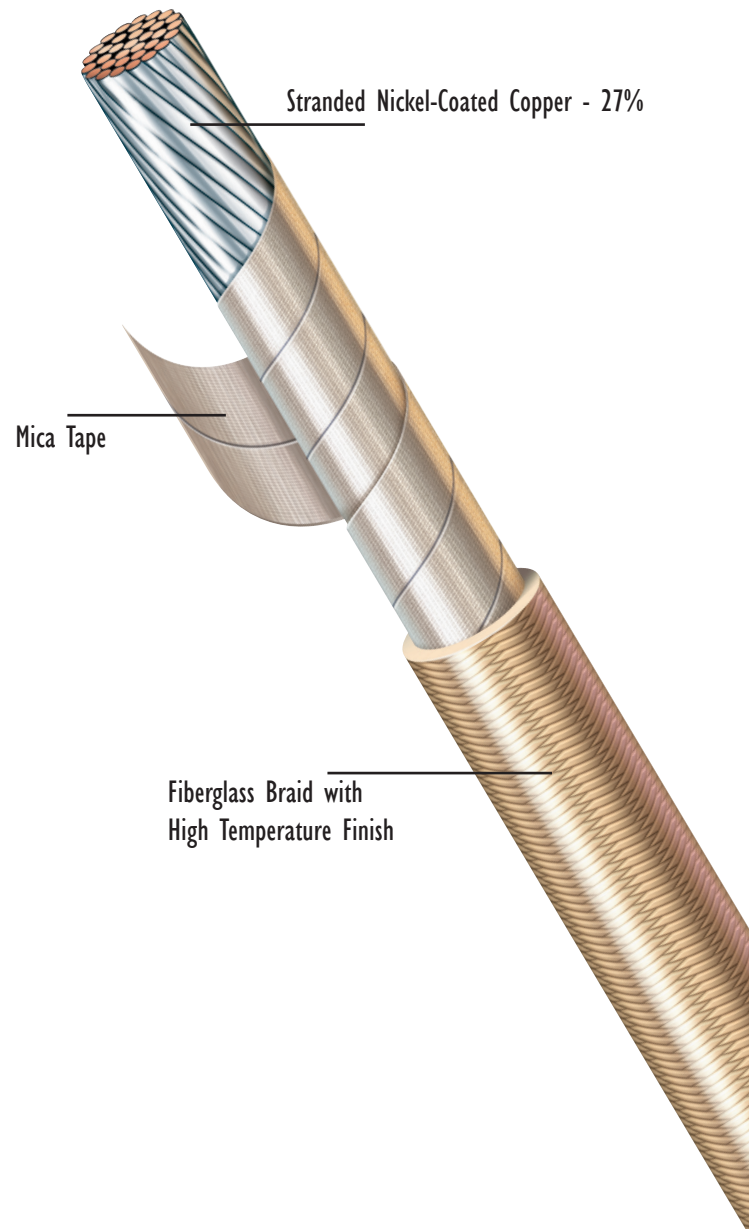
#### Standard Color Coding

Natural and Solid Colors

Colored Tracers

### CHARACTERISTICS

- Resists braid fray and push back
- Withstands mechanical abuse



**Radix™**

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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
BFT04C133	4	133	0.368	9.35	167.42	249.16	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
BFTX1C259	1/0	259	0.533	13.58	392	582.9	5107	AWM I A/B FT I
BFTX2C259	2/0	259	0.586	14.89	488	725.7	5107	AWM I A/B FT I
BFTX3C259	3/0	259	0.643	16.33	605	899.6	5107	AWM I A/B FT I
BFTX4C259	4/0	259	0.707	17.96	750	1115.3	5107	AWM I A/B FT I

Standard conductor: Nickel Coated Copper - 27%  
Consult factory for alternative conductor and stranding options.



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 is not responsible for any claim traceable to such error.

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