

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

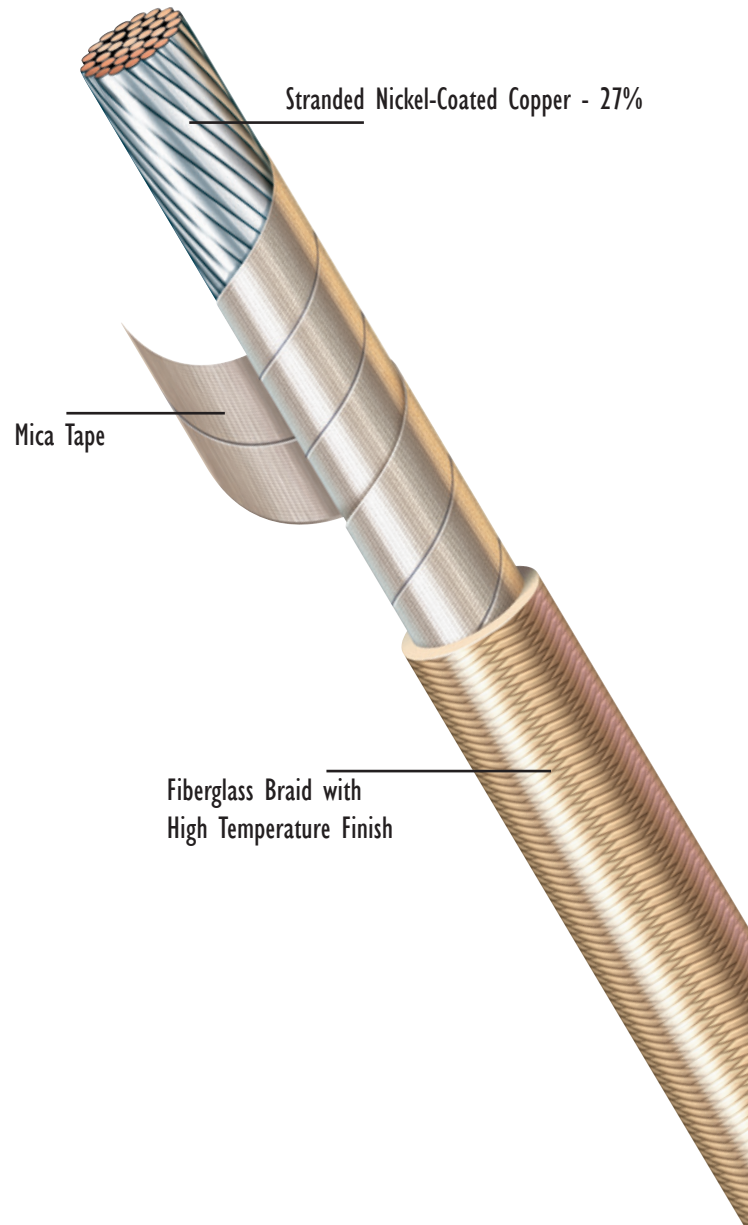
#### Standard Color Coding

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/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
BDT24C007	24	7	0.072	1.83	4	5.94	0.58	5128	AWM I A/B FT I
BDT22C007	22	7	0.079	2.01	6	8.27	0.63	5128	AWM I A/B FT I
BDT20C010	20	10	0.085	2.16	7	10.33	0.68	5128	AWM I A/B FT I
BDT18C016	18	16	0.093	2.36	9	13.32	0.74	5128	AWM I A/B FT I
BDT16C026	16	26	0.105	2.67	13	18.90	0.84	5128	AWM I A/B FT I
BDT14C041	14	41	0.121	3.07	19	27.58	0.97	5128	AWM I A/B FT I
BDT12C065	12	65	0.141	3.58	27	40.27	1.13	5128	AWM I A/B FT I
BDT10C105	10	105	0.189	4.80	46	68.61	1.51	5128	AWM I A/B FT I

## MGT 450C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt. (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
BFT22C007	22	7	0.100	2.54	8	11.39	0.80	5107	AWM I A/B FT I
BFT20C010	20	10	0.104	2.64	9	13.23	0.83	5107	AWM I A/B FT I
BFT18C016	18	16	0.110	2.79	11	16.77	0.88	5107	AWM I A/B FT I
BFT16C026	16	26	0.126	3.20	15	22.77	1.01	5107	AWM I A/B FT I
BFT14C041	14	41	0.139	3.53	22	32.34	1.11	5107	AWM I A/B FT I
BFT12C065	12	65	0.157	3.99	31	46.45	1.26	5107	AWM I A/B FT I
BFT10C105	10	105	0.208	5.28	83	123.30	1.66	5107	AWM I A/B FT I
BFT08C133	8	133	0.262	6.65	79	118.15	2.10	5107	AWM I A/B FT I
BFT06C133	6	133	0.313	7.95	113	167.74	2.50	5107	AWM I A/B FT I
BFT04C133	4	133	0.368	9.35	167	248.46	2.94	5107	AWM I A/B FT I
BFT02C259	2	259	0.446	11.33	259	385.99	3.57	5107	AWM I A/B FT I
BFTX1C259	1/0	259	0.533	13.54	392	583.39	4.26	5107	AWM I A/B FT I
BFTX2C259	2/0	259	0.586	14.88	488	726.26	4.69	5107	AWM I A/B FT I
BFTX3C259	3/0	259	0.643	16.33	605	900.38	5.14	5107	AWM I A/B FT I
BFTX4C259	4/0	259	0.707	17.96	750	1116.18	5.66	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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