

450C/300V and 450C/600V

# DuraFlex® 450

## HIGH-TEMPERATURE WIRE

### RATINGS / APPROVALS

450°C - 300 Volts - UL 5334 / 5128 / CSA AWM I A/B FTI

450°C - 600 Volts - UL 5335 / 5107 / CSA AWM I A/B FTI

VW-I Flame Rating

### CONSTRUCTION

#### Conductors

24 AWG - 14 AWG (300 Volts)

22 AWG - 8 AWG (600 Volts)

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

#### Insulating System

Mica glass composite

#### Outer Covering

Fiberglass braid with high temperature finish

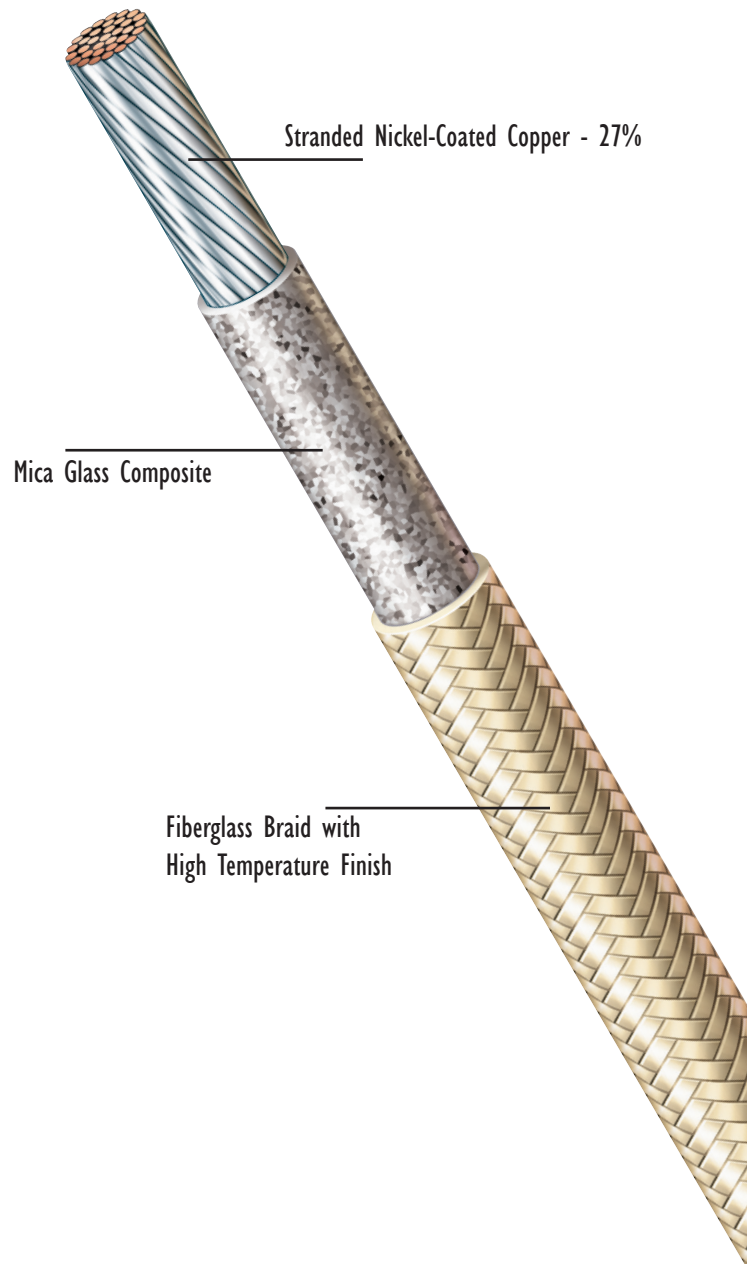
#### Standard Color Coding

Natural and Solid Colors

Colored Tracers

### CHARACTERISTICS

- Outperforms UL 5128/5107 MGT products:
  - Unique insulation system offers outstanding heat-aged flexibility for longer service life.
  - Passes UL 2X mandrel test after heat aging (UL 5128/5107 is 3X mandrel).
  - Excellent cutting and stripping characteristics, making it ideal for high volume manufacturing and assembly.
  - Provides dimensional consistency and uniformity.
- Resists braid pushback.
- Withstands mechanical abuse.



DuraFlex® is a registered trademark of Radix Wire Company

DuraFlex® US Patent nos. 6,249,961 & 6,429,377

Other US and Foreign patents pending

# Radix™

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# SPECIFICATIONS

# DuraFlex® 450 HIGH-TEMPERATURE WIRE

## DuraFlex 450C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL	CSA
DGT24C007	24	7	0.069	1.75	4.82	7.173	5334/5128	AWM I A/B FT I
DGT22C007	22	7	0.081	2.06	6.59	9.807	5334/5128	AWM I A/B FT I
DGT20C010	20	10	0.087	2.21	8.10	12.055	5334/5128	AWM I A/B FT I
DGT18C016	18	16	0.096	2.44	10.44	15.537	5334/5128	AWM I A/B FT I
DGT16C026	16	26	0.110	2.79	14.71	21.892	5334/5128	AWM I A/B FT I
DGT14C041	14	41	0.126	3.20	20.95	31.179	5334/5128	AWM I A/B FT I

## DuraFlex 450C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft	Wgt - kg per km	UL	CSA
DHT22C007	22	7	0.098	2.49	8.75	13.022	5335/5107	AWM I A/B FT I
DHT20C010	20	10	0.108	2.74	11.17	16.624	5335/5107	AWM I A/B FT I
DHT18C016	18	16	0.120	3.05	14.26	21.222	5335/5107	AWM I A/B FT I
DHT16C026	16	26	0.134	3.40	18.94	28.187	5335/5107	AWM I A/B FT I
DHT14C041	14	41	0.150	3.81	25.48	37.920	5335/5107	AWM I A/B FT I
DHT12C065	12	65	0.170	4.32	35.49	52.818	5335/5107	AWM I A/B FT I
DHT10C105	10	105	0.211	5.36	54.53	81.154	5335/5107	AWM I A/B FT I
DHT08C133	8	133	0.261	6.63	80.34	119.565	5335/5107	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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