

## 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

## CONSTRUCTION

### Conductors

24 AWG – 14 AWG (300 Volts)

22 AWG – 8 AWG (600 Volts)

Stranded nickel-plated 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

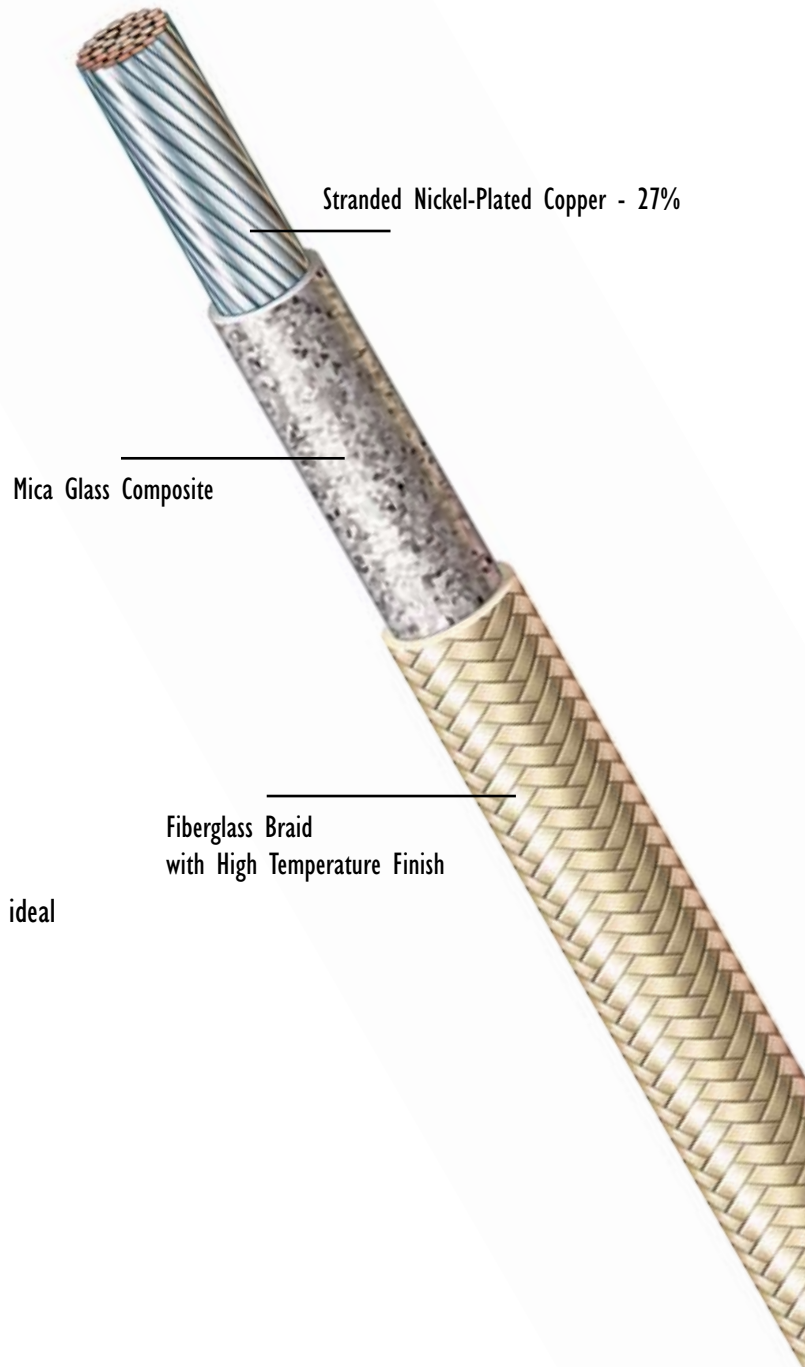
## CHARACTERISTICS

- 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

## DuraFlex 450 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	0.071	1.80	5.43	8.08	5334/5128	AWM I A/B FT I
DGT22C007	22	7	0.080	2.03	6.77	10.07	5334/5128	AWM I A/B FT I
DGT20C010	20	10	0.085	2.16	7.70	11.45	5334/5128	AWM I A/B FT I
DGT18C016	18	16	0.097	2.46	10.68	15.89	5334/5128	AWM I A/B FT I
DGT16C026	16	26	0.107	2.72	14.97	22.27	5334/5128	AWM I A/B FT I
DGT14C041	14	41	0.128	3.25	20.76	30.89	5334/5128	AWM I A/B FT I

## DuraFlex 450 450C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km	UL	CSA
DHT24C007	24	7	0.090	2.29	6.27	9.33	5335/5107	AWM I A/B FT I
DHT22C007	22	7	0.096	2.44	7.89	11.74	5335/5107	AWM I A/B FT I
DHT20C010	20	10	0.110	2.79	10.06	14.97	5335/5107	AWM I A/B FT I
DHT18C016	18	16	0.117	2.97	13.38	19.91	5335/5107	AWM I A/B FT I
DHT16C026	16	26	0.134	3.40	17.74	26.40	5335/5107	AWM I A/B FT I
DHT14C041	14	41	0.143	3.63	23.35	34.75	5335/5107	AWM I A/B FT I
DHT12C065	12	65	0.166	4.22	33.33	49.60	5335/5107	AWM I A/B FT I
DHT10C105	10	105	0.209	5.16	49.12	73.10	5335/5107	AWM I A/B FT I
DHT08C133	8	133	0.261	6.53	77.19	114.87	5335/5107	AWM I A/B FT I

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

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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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