

## RATINGS / APPROVALS

550°C – 300 Volts - UL 5390 / AWM I A/B FTI

550°C – 600 Volts - UL 5400 / AWM I A/B FTI

## CONSTRUCTION

### Conductors

24 AWG – 14 AWG (300Volt)

24 AWG – 8 AWG (600 Volts)

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

### Insulating System

Mica glass composite

### Outer Covering

Fiberglass braid with silicone coating

### Standard Color Coding

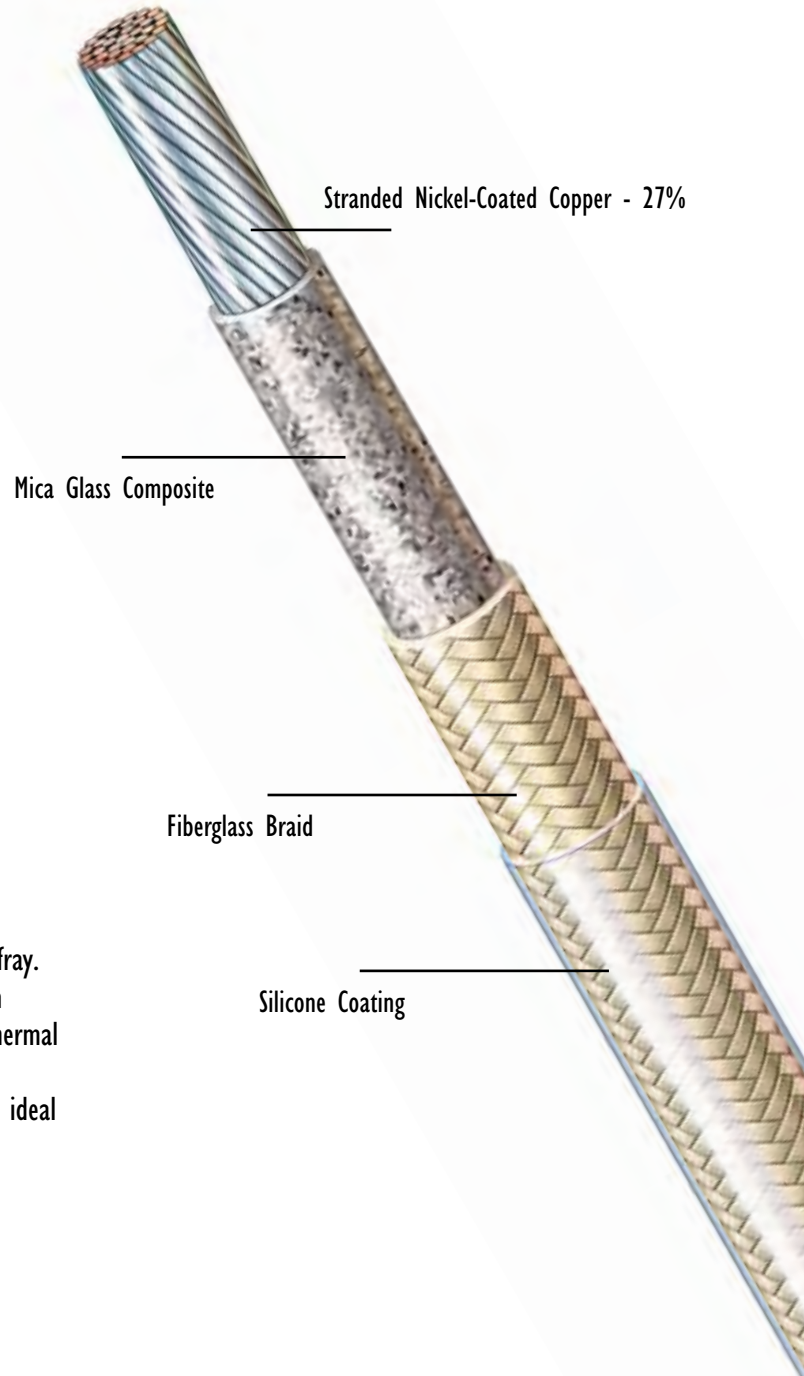
White

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).
  - ~ Modified silicone jacket virtually eliminates dermatitis problems associated with handling fiberglass and braid fray.
  - ~ 550°C temperature rating allows wire to be installed in extreme environments and reduces the cost of added thermal protection (glass sleeve, ceramic insulator, etc).
  - ~ 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® 550  
HIGH-TEMPERATURE

## DuraFlex 550 550C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km	UL	CSA
DCS24C007	24	7	0.081	2.06	5.98	8.90	5390	AWM I A/B FT I
DCS22C007	22	7	0.087	2.21	7.37	10.96	5390	AWM I A/B FT I
DCS20C010	20	10	0.091	2.31	8.37	12.45	5390	AWM I A/B FT I
DCS18C016	18	16	0.104	2.64	11.57	17.21	5390	AWM I A/B FT I
DCS16C026	16	26	0.120	3.05	15.67	23.32	5390	AWM I A/B FT I
DCS14C041	14	41	0.130	3.30	21.50	31.99	5390	AWM I A/B FT I

## DuraFlex 550 550C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km	UL	CSA
DDS24C007	24	7	0.102	2.59	8.32	12.38	5400	AWM I A/B FT I
DDS22C007	22	7	0.108	2.74	9.91	14.74	5400	AWM I A/B FT I
DDS20C010	20	10	0.111	2.82	10.88	16.19	5400	AWM I A/B FT I
DDS18C016	18	16	0.124	3.15	14.62	21.75	5400	AWM I A/B FT I
DDS16C026	16	26	0.138	3.68	19.08	28.39	5400	AWM I A/B FT I
DDS14C041	14	41	0.158	4.01	26.61	39.60	5400	AWM I A/B FT I
DDS12C065	12	65	0.182	4.62	35.67	53.08	5400	AWM I A/B FT I
DDS10C105	10	105	0.212	5.38	50.62	75.33	5400	AWM I A/B FT I
DDS08C133	8	133	0.266	6.76	78.84	117.33	5400	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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