

550C/300V and 550C/600V

DuraFlex® 550

HIGH-TEMPERATURE WIRE

RATINGS / APPROVALS

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

550°C - 600 Volts - UL 5400 / 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 silicone coating

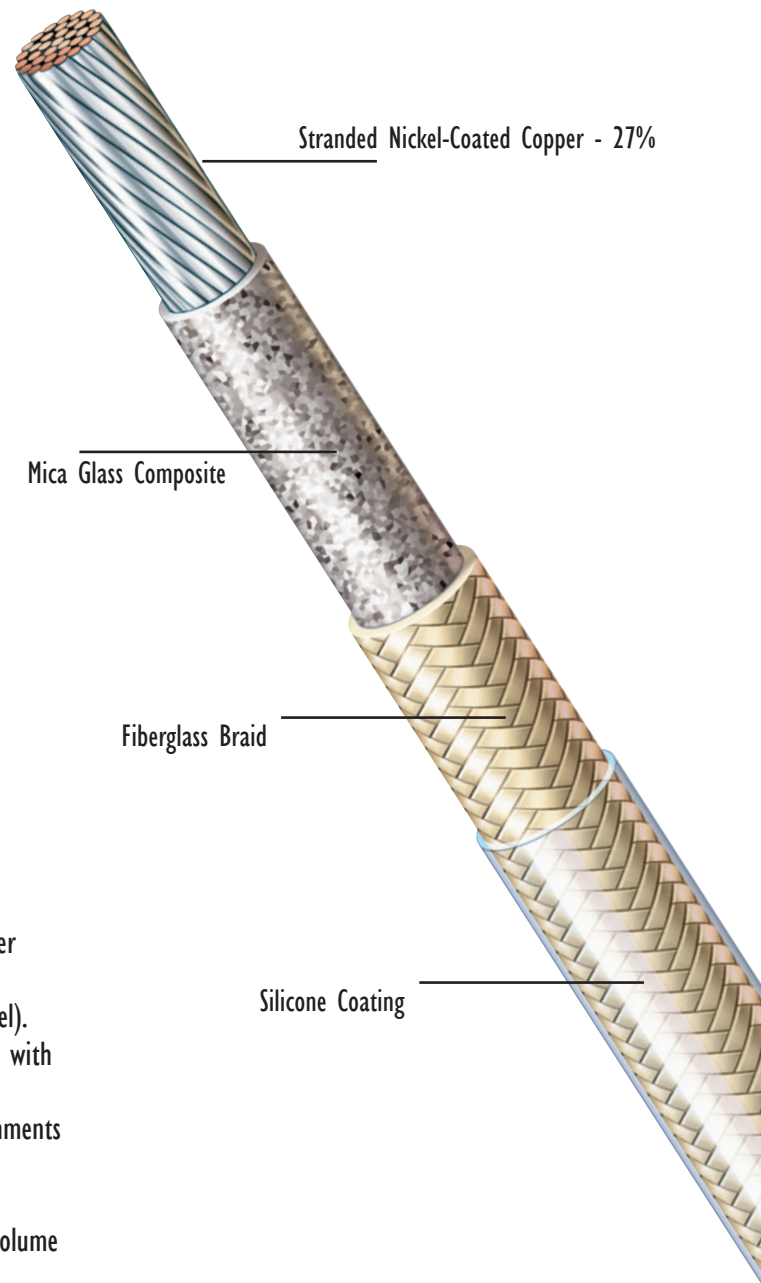
Standard Color Coding

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.



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SPECIFICATIONS

DuraFlex® 550 HIGH-TEMPERATURE WIRE

DuraFlex 550C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt. (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
DCS24C007	24	7	0.080	2.03	5	7.22	0.64	5390	AWM I A/B FT I
DCS22C007	22	7	0.087	2.21	6	8.86	0.70	5390	AWM I A/B FT I
DCS20C010	20	10	0.092	2.34	7	10.37	0.74	5390	AWM I A/B FT I
DCS18C016	18	16	0.104	2.64	10	15.30	0.83	5390	AWM I A/B FT I
DCS16C026	16	26	0.120	3.05	15	22.49	0.96	5390	AWM I A/B FT I
DCS14C041	14	41	0.130	3.30	20	29.69	1.04	5390	AWM I A/B FT I

DuraFlex 550C/600V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt. (lbs/Mft)	Wgt (kg/km)	Min. Bend Radius (in)	UL	CSA
DDS22C007	22	7	0.098	2.49	8	12.38	0.78	5400	AWM I A/B FT I
DDS20C010	20	10	0.108	2.74	10	14.99	0.86	5400	AWM I A/B FT I
DDS18C016	18	16	0.124	3.15	13	19.26	0.99	5400	AWM I A/B FT I
DDS16C026	16	26	0.138	3.51	17	25.95	1.10	5400	AWM I A/B FT I
DDS14C041	14	41	0.158	4.01	24	36.24	1.26	5400	AWM I A/B FT I
DDS12C065	12	65	0.182	4.62	35	52.80	1.46	5400	AWM I A/B FT I
DDS10C105	10	105	0.212	5.38	52	77.64	1.70	5400	AWM I A/B FT I
DDS08C133	8	133	0.266	6.76	78	116.01	2.13	5400	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 & Cable is not responsible for any claim traceable to such error.

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