DuraFlex® 550

HIGH-TEMPERATURE WIRE

550C/300V and 550C/600V

RATINGS / APPROVALS

550°C - 300 Volts - UL 5390 / CSA AWM I A/B FT1
550°C - 600 Volts - UL 5400 / CSA AWM I A/B FT1
VW-1 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

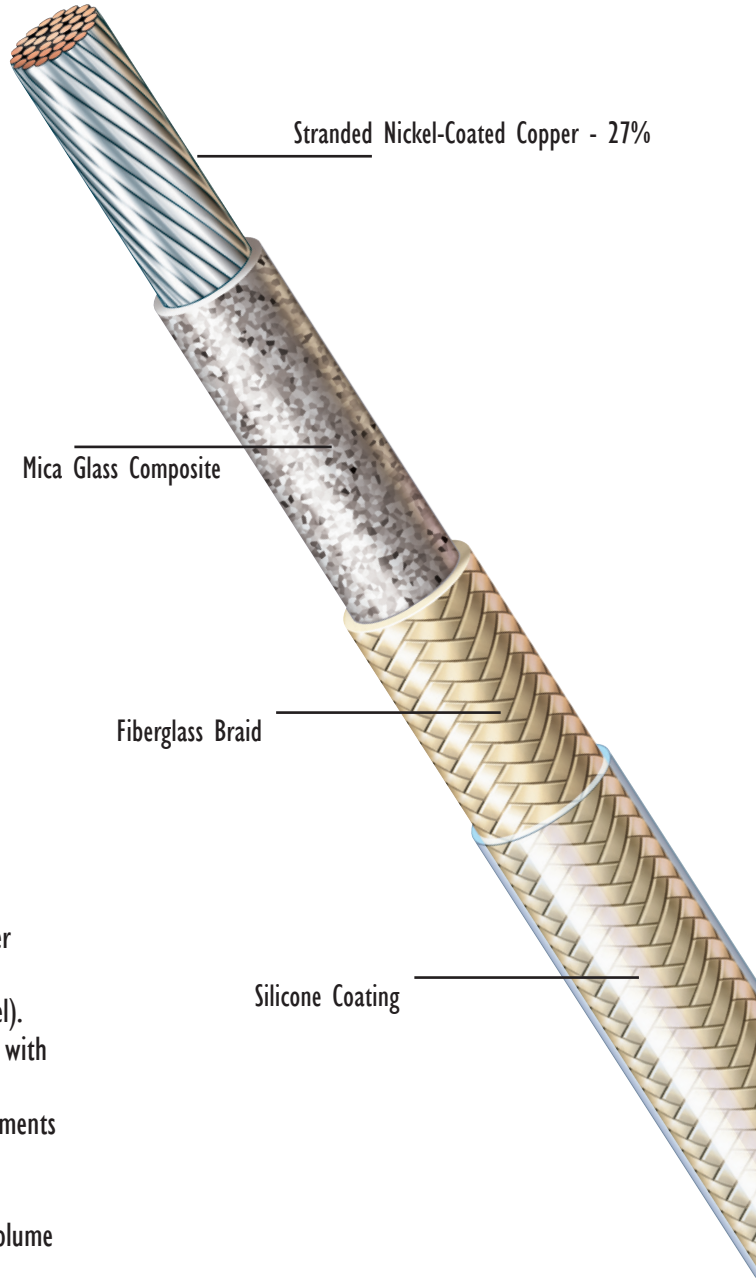
Mica glass composite

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 dermatitisproblems 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
- PFAS-free.

COPYRIGHT
This document is protected under copyright law and is the property of Radix Wire and Cable. Data contained herein is confidential to Radix Wire and Cable and this document and/or any part of the data contained herein may not be copied, duplicated or released for manufacturing or sale of equipment outside of Radix Wire and Cable or any affiliates without the prior written authorization of Radix Wire & Cable.

2-14-2025

Radix™
WIRE & CABLE

DuraFlex® 550
HIGH-TEMPERATURE WIRE

SPECIFICATIONS

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 FT1
DCS22C007	22	7	0.087	2.21	6	8.86	0.70	5390	AWM I A/B FT1
DCS20C010	20	10	0.092	2.34	7	10.37	0.74	5390	AWM I A/B FT1
DCS18C016	18	16	0.104	2.64	10	15.30	0.83	5390	AWM I A/B FT1
DCS16C026	16	26	0.120	3.05	15	22.49	0.96	5390	AWM I A/B FT1
DCS14C041	14	41	0.130	3.30	20	29.69	1.04	5390	AWM I A/B FT1

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 FT1
DDS20C010	20	10	0.108	2.74	10	14.99	0.86	5400	AWM I A/B FT1
DDS18C016	18	16	0.124	3.15	13	19.26	0.99	5400	AWM I A/B FT1
DDS16C026	16	26	0.138	3.51	17	25.95	1.10	5400	AWM I A/B FT1
DDS14C041	14	41	0.158	4.01	24	36.24	1.26	5400	AWM I A/B FT1
DDS12C065	12	65	0.182	4.62	35	52.80	1.46	5400	AWM I A/B FT1
DDS10C105	10	105	0.212	5.38	52	77.64	1.70	5400	AWM I A/B FT1
DDS08C133	8	133	0.266	6.76	78	116.01	2.13	5400	AWM I A/B FT1

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 Certfied 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.

Use or disclosure of data contained on this sheet is subject to the restrictions on the title page.