700C/600V to 1000C/300V

MCS FURNACE CABLE
HIGH-TEMPERATURE LEAD WIRE

RATINGS / APPROVALS

700°C – 600 Volt (Optional SS Braid)
1000°C – 300 Volt
Passes the IEEE-383 (modified) 210,000 BTU/hr Vertical Cable Tray Flame Test
Passes UL VW-1 Vertical Flame Test
Passes CSA FT1 Vertical Flame Test
RoHS Compliant

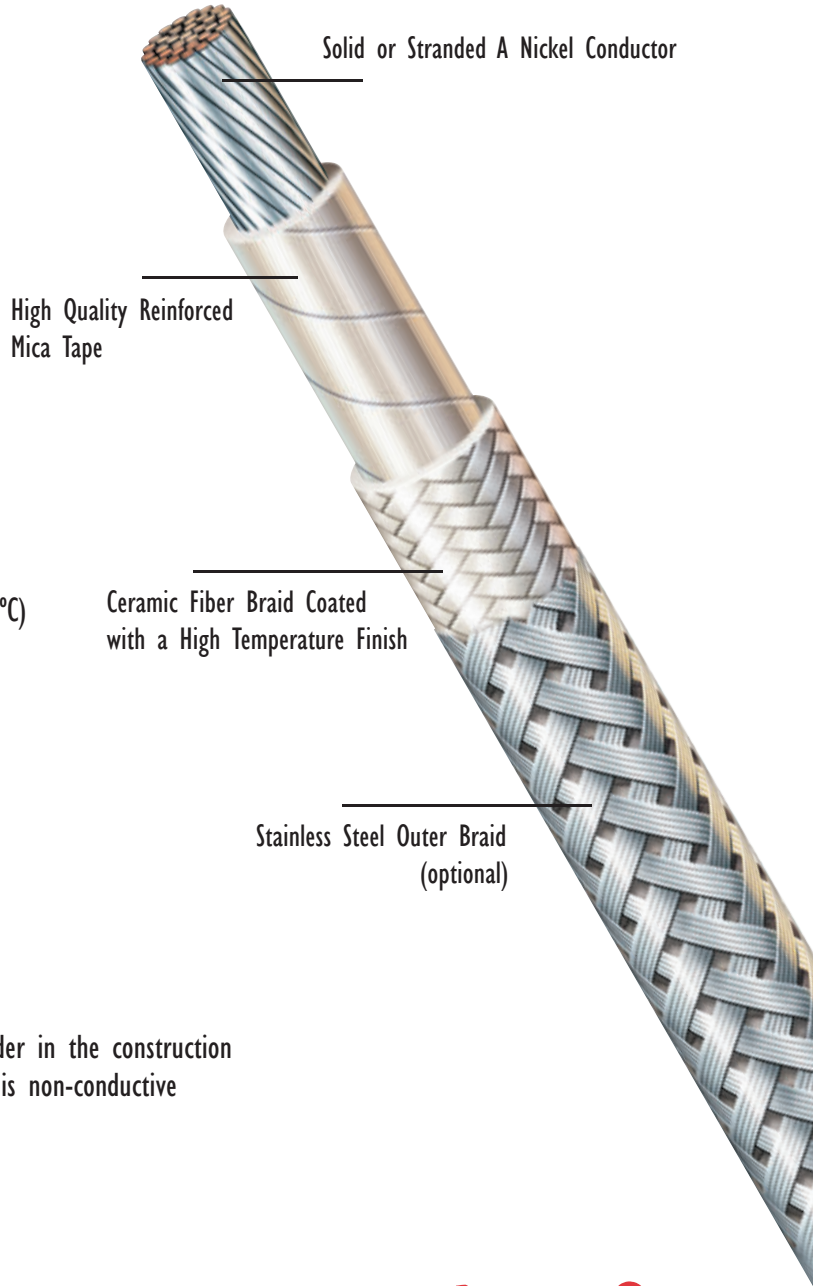
CONSTRUCTION

Conductors
18 AWG – 8 AWG
Solid or stranded A nickel
Class K (18 AWG – 10 AWG) per ASTM B-174
Class H (8 AWG – 4 AWG) per ASTM B-173

Insulating Construction
High quality reinforced mica tape

Conductor Covering
Ceramic fiber braid coated with a high temperature finish

(Optional) Outer Braid
Stainless steel (Not recommended for applications exceeding 700°C)



CHARACTERISTICS

- Superior high temperature and oxidation resistance in normal temperatures to 1000°C
- Fire resistant
- Very low smoke emission when burned at rated temperature
- Resistant to many chemicals
- Maintains circuit integrity even when exposed to conditions of high ambient temperature and flame
- Optional stainless steel braid provides mechanical protection
- If wire is subjected to very rapid rise in temperature the binder in the construction can ignite but will quickly extinguish. The resulting white ash is non-conductive

APPLICATION

- For use in non-flexing applications.
- Wiring for ovens, kilns, and furnaces
- Where the normal installation environment includes continuous operating temperatures up to 1000°C and intermittent temperatures approaching 1200°C
- Not recommended for outdoor use

Revised 8/13

Radix Wire
26000 Lakeland Boulevard • Cleveland, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

SPECIFICATIONS

MCS FURNACE CABLE
HIGH-TEMPERATURE LEAD WIRE

MCS FURNACE CABLE 700C/600V to 1000C/300V

Part No.	Awg. Size	# Strands	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
W/OUT STAINLESS STEEL SHIELD						
BTC18N016-0000-Z3000	18	16	0.156	3.96	14.52	21.61
BTC16N026-0000-Z3000	16	26	0.169	4.29	18.95	28.20
BTC14N041-0000-Z3000	14	41	0.182	4.62	24.97	37.16
BTC12N065-0000-Z3000	12	65	0.203	5.16	34.35	51.11
BTC10N105-0000-Z3000	10	105	0.230	5.84	50.15	74.62
BTC08N168-0000-Z3000	8	168	0.289	7.34	78.11	116.23
STAINLESS STEEL SHEILD (Not recommended for applications exceeding 700˚C)						
BTC18N016-AR00-Z3000	18	16	0.181	4.60	26.64	39.64
BTC16N026-AR00-Z3000	16	26	0.194	4.93	31.57	46.98
BTC14N041-AR00-Z3000	14	41	0.208	5.28	38.1	56.69
BTC12N065-AR00-Z3000	12	65	0.228	5.79	49.49	73.64
BTC10N105-AR00-Z3000	10	105	0.255	6.48	68.03	101.23
BTC08N168-AR00-Z3000	8	168	0.314	7.98	99.25	147.68

Standard conductor: A nickel

Consult factory for alternate conductor and stranding options. Multi-conductor available on the data page.

All dimensions listed above are nominal.

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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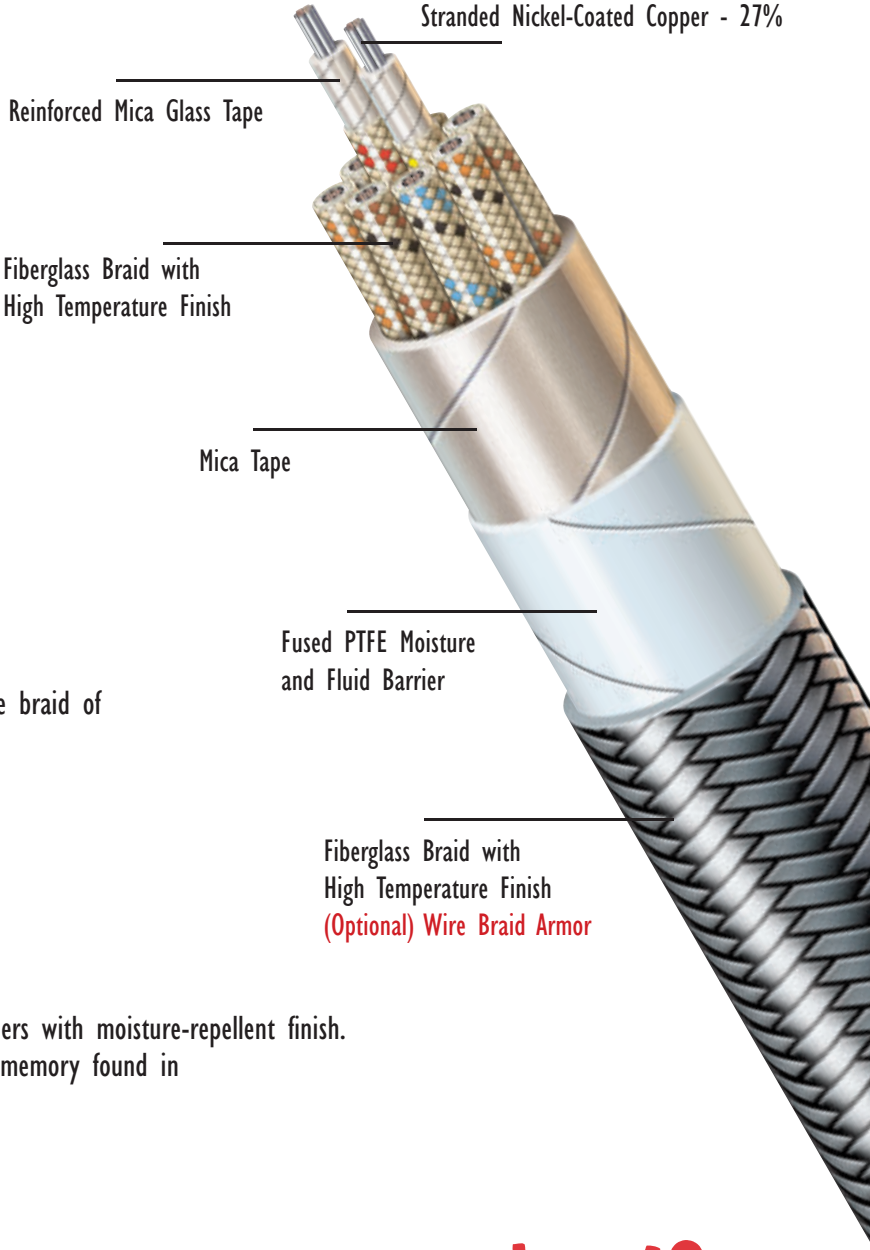
26000 Lakeland Boulevard • Cleveland, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

TEMPERGARD 2000
HIGH-TEMPERATURE CABLE

450C/600V and 538C/600V

RATINGS / APPROVALS

450°C – 600 Volts - continuous temperature rating under normal service conditions
538°C – 600 Volts - peak temperature rating for intermittent periods
Passes NEMA WC 3 Flame Propagation Test
Passes IEEE-383 (modified) 210,000 BTU/hr Vertical Cable Tray Flame Test
Maintains circuit integrity for a minimum of 2.5 hours
under ICEA T-29-520 210,000 BTU/hr Vertical Flame Test
Passes ICEA T-27-581 Water Absorption Test
RoHS Compliant



CONSTRUCTION

Conductors
22 AWG – 2 AWG
Flexible stranded nickel-coated copper-27%

Insulating System
Reinforced mica tape with fiberglass braid cover over each insulated conductor. High temperature tracers are woven into the braid for K-4 color coding. (Unless specified)

Overall Binder Tapes
Flame and heat-resistant reinforced mica tape with fused PTFE fluoropolymer tape overall.

Outer Covering
Braided fiberglass with high-temperature finish. Optional wire braid of stainless steel, nickel plated copper, other suitable material.

Standard Color
Black (Colors available)

CHARACTERISTICS

- Moisture, oil, fluid and abrasion resistant.
- Fillers, where needed, are made with flame-impervious fibers with moisture-repellent finish.
- Cable utilizes Radix "Torque Free" design. This eliminates memory found in traditional right-hand or left-hand twisted cables.
- Binder tapes provide heat and moisture resistance.
- Not recommended for outdoor use.

APPLICATION

For use in circuits where the preservation of circuit integrity under abusive, high-temperature environments and resistance to abrasion, flame, oil, and other fluids is desired. Used in iron, steel, paper, and glass plants.

Revised 8/13

Radix Wire
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Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

SPECIFICATIONS

TEMPERGARD 2000 450C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
BN18GC02T	18	16	2	0.316	8.03	58.04	86.38
BN18GC03T	18	16	3	0.332	8.43	70.01	104.19
BN18GC04T	18	16	4	0.360	9.14	82.02	122.07
BN18GC05T	18	16	5	0.393	9.98	99.33	147.83
BN18GC06T	18	16	6	0.427	10.85	114.32	170.14
BN16GC02T	16	26	2	0.345	8.76	70.64	105.13
BN16GC03T	16	26	3	0.364	9.25	87.62	130.40
BN16GC04T	16	26	4	0.395	10.03	104.79	155.95
BN16GC05T	16	26	5	0.433	11.00	127.36	189.54
BN16GC06T	16	26	6	0.472	11.99	147.60	219.66
BN14GC02T	14	41	2	0.368	9.35	85.53	127.29
BN14GC03T	14	41	3	0.389	9.88	107.17	159.49
BN14GC04T	14	41	4	0.423	10.74	130.31	193.93
BN14GC05T	14	41	5	0.465	11.81	158.89	236.47
BN14GC06T	14	41	6	0.506	12.85	185.16	275.56
BN12GC02T	12	65	2	0.408	10.36	110.23	164.05
BN12GC03T	12	65	3	0.432	10.97	143.57	213.67
BN12GC04T	12	65	4	0.472	11.99	176.29	262.36
BN12GC05T	12	65	5	0.520	13.21	215.74	321.07
BN12GC06T	12	65	6	0.573	14.55	257.45	383.15
BN10GC02T	10	105	2	0.528	13.41	174.10	259.10
BN10GC03T	10	105	3	0.567	14.40	238.03	354.24
BN10GC04T	10	105	4	0.620	15.75	295.30	439.48
BN10GC05T	10	105	5	0.685	17.40	361.92	538.62
BN10GC06T	10	105	6	0.750	19.05	425.13	632.69

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

All dimensions listed above are nominal.
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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26000 Lakeland Boulevard • Cleveland, OH 44132
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www.radix-wire.com

450C/600V

TMMG MUDGUN 450
HIGH-TEMPERATURE CABLE

RATINGS / APPROVALS
450°C – 600 Volts

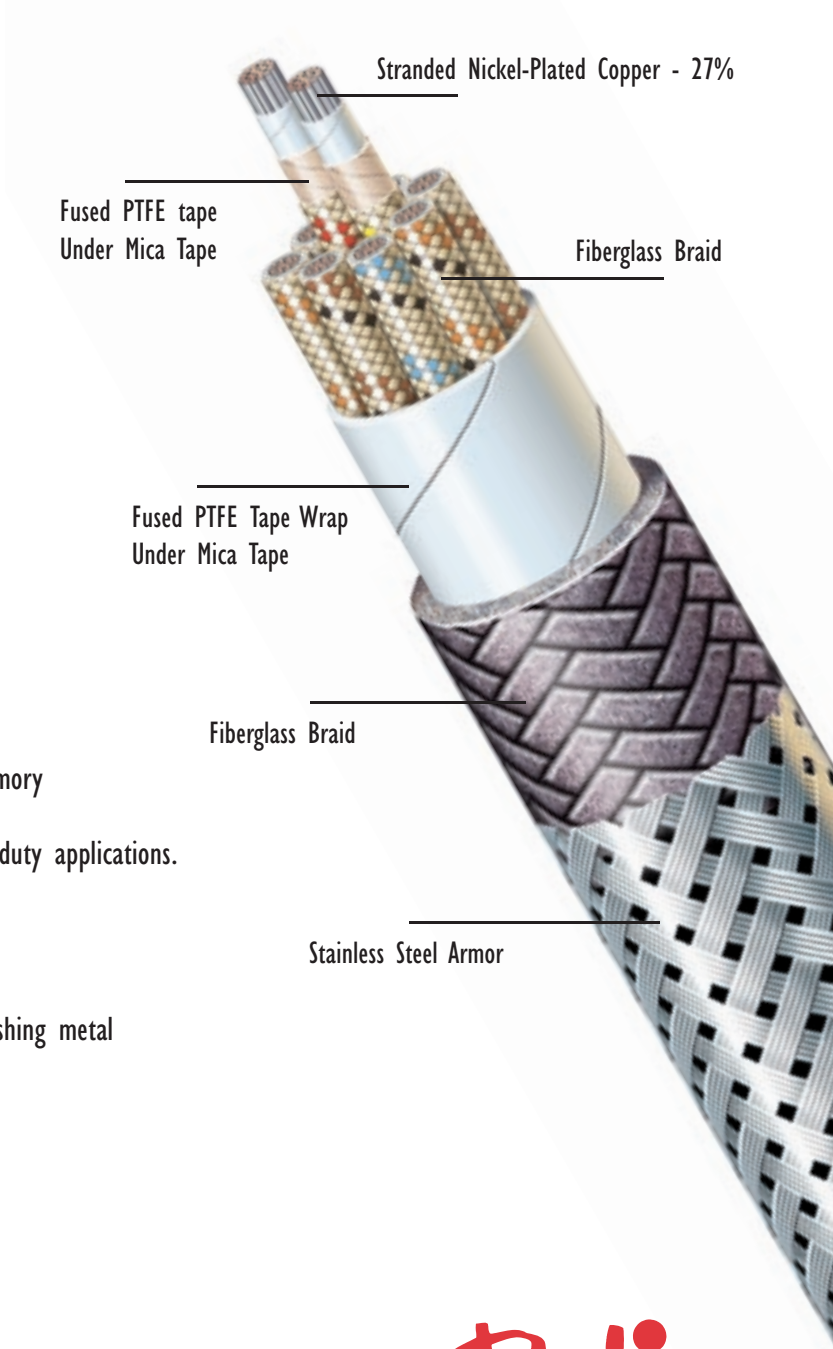
ISO 9001:2000 CERTIFIED

CONSTRUCTION
Conductors
22 AWG – 2 AWG
Flexible stranded nickel-coated copper-27%

Insulating System
Fused PTFE fluoropolymer tape under Mica tape with Fiberglass braid cover over each insulated conductor. High temperature tracers are woven into the braid for K-4 color coding. (Unless specified)

Overall Binder Tapes
Fused PTFE fluoropolymer tape wrap under mica tape.

Outer Covering
Glass braid jacket impregnated with moisture and heat resistant finish. Stainless steel armor.



CHARACTERISTICS
- Moisture, oil, fluid and abrasion resistant.
- Fillers, where needed, are made with flame impervious fibers with moisture repellent finish.
- Cable utilizes Radix "Torque Free" design. This eliminates memory found in traditional right hand or left hand twisted cables.
- Stainless steel jacket provides mechanical strength in severe duty applications.
- Not recommended for outdoor use.

APPLICATION
For use around blast furnaces, or where subject to sparks, splashing metal and repeated heating and cooling.

Revised 04/01/07

Radix Wire Company
26000 Lakeland Boulevard • Cleveland, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

SPECIFICATIONS

TMMG MUDGUN 450
HIGH-TEMPERATURE CABLE

TMMG MUDGUN 450 450C/600V

Part No.	Awg. Size	# Strands	# Leads	Outer Dia. inches	Outer Dia. mm	Wgt - lbs per 1000 ft.	Wgt - kg per km
BZ18GC02S	18	16	2	0.354	8.99	89.96	133.88
BZ18GC03S	18	16	3	0.374	9.50	108.75	161.85
BZ18GC04S	18	16	4	0.406	10.31	133.57	198.78
BZ18GC05S	18	16	5	0.444	11.28	147.79	219.95
BZ18GC06S	18	16	6	0.483	12.27	167.34	249.04
BZ16GC02S	16	26	2	0.377	9.58	106.60	158.65
BZ16GC03S	16	26	3	0.398	10.11	125.79	187.21
BZ16GC04S	16	26	4	0.433	11.00	151.90	226.06
BZ16GC05S	16	26	5	0.475	12.07	174.70	259.99
BZ16GC06S	16	26	6	0.517	13.13	199.85	297.42
BZ14GC02S	14	41	2	0.404	10.26	123.52	183.83
BZ14GC03S	14	41	3	0.427	10.85	150.54	224.04
BZ14GC04S	14	41	4	0.466	11.84	184.80	275.03
BZ14GC05S	14	41	5	0.512	13.00	212.20	315.80
BZ14GC06S	14	41	6	0.573	14.55	268.19	399.13
BZ12GC02S	12	65	2	0.444	11.28	148.41	220.87
BZ12GC03S	12	65	3	0.470	11.94	188.72	280.86
BZ12GC04S	12	65	4	0.513	13.03	235.46	350.42
BZ12GC05S	12	65	5	0.582	14.78	297.62	442.93
BZ12GC06S	12	65	6	0.633	16.08	336.78	501.21
BZ10GC02S	10	105	2	0.553	14.05	238.50	354.94
BZ10GC03S	10	105	3	0.588	14.94	299.17	445.24
BZ10GC04S	10	105	4	0.642	16.31	356.73	530.90
BZ10GC05S	10	105	5	0.708	17.98	432.90	644.26
BZ10GC06S	10	105	6	0.774	19.66	502.00	747.09

Standard conductor: Nickel Coated Copper-2%
Consult factory for alternate conductor and stranding options.

All dimensions listed above are nominal.

Radix Wire Company
26000 Lakeland Boulevard • Cleveland, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

SPECIFICATIONS

DuraLife FPL® Shielded

UL 2-Hour Fire Certified FIRE RESISTIVE ALARM CABLES
FHIT & FHITC.28B Electrical Circuit Integrity System

UL 2196 CERTIFIED / ULC-S139 COMPLIANT (FIRE ONLY) / UL 1424 LISTED. FHIT & FHITC SYSTEMS NO. 28B. LOW SMOKE, ZERO HALOGEN DESIGN (LSOH)

Shielded - 18AWG, 16AWG, 14AWG; 2-conductor; Circuit Integrity System
NEC Type FPL; for use in protective electrical system (EMT)
DuraLife FPL® Shielded - Fire Resistive Alarm Cables

CERTIFICATION LISTINGS:

18AWG solid OFHC; 2-conductor vertical straight-through w/ couplings in ¾" EMT conduit; 72" max. support spacing, pull box, 2 cables
18AWG solid OFHC; 2-conductor horizontal straight-through w/ couplings in ¾" EMT conduit; 48" max. support spacing
18AWG solid OFHC; 2-conductor horizontal straight-through w/ pull box in ¾" EMT conduit; 48" max. support spacing
18AWG solid OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 48" max. support spacing
18AWG solid OFHC; 2-conductor vertical w/ mechanical splice in ¾" EMT conduit; 72" max. support spacing

16AWG solid OFHC; 2-conductor vertical straight-through w/ couplings in 1" EMT conduit; 72" max. support spacing, pull box, 2 cables
16AWG solid OFHC; 2-conductor horizontal straight-through w/ couplings in ¾" EMT conduit; 48" max. support spacing
16AWG solid OFHC; 2-conductor horizontal straight-through w/ pull box in ¾" EMT conduit; 48" max. support spacing
16AWG solid OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 48" max. support spacing

14AWG 7-strand OFHC; 2-conductor vertical straight-through w/ couplings in 1" EMT conduit; 72" max. support spacing, pull box, 2 cables
14AWG 7-strand OFHC; 2-conductor horizontal straight-through w/ couplings in ¾" EMT conduit; 48" max. support spacing
14AWG 7-strand OFHC; 2-conductor horizontal straight-through w/ pull box in ¾" EMT conduit; 48" max. support spacing
14AWG 7-strand OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 48" max. support spacing

14AWG solid OFHC; 2-conductor vertical straight-through w/ couplings in 1" EMT conduit; 72" max. support spacing, pull box, 2 cables
14AWG solid OFHC; 2-conductor horizontal straight-through w/ couplings in ¾" EMT conduit; 48" max. support spacing
14AWG solid OFHC; 2-conductor horizontal straight-through w/ pull box in ¾" EMT conduit; 48" max. support spacing
14AWG solid OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 48" max. support spacing

HARDWARE SYSTEM CERTIFIED:

- EMT Conduit --- Wheatland*, Tube FasTrak Plus
- EMT Couplings --- Raco or Halex
- Mechanical Compression Fittings --- Cooper Crouse-Hinds
- NEMA 1 Splice Enclosure/Pull Box --- Cooper B-Line (Pull box size up to 12x12x4. Splice box size up to 8x8x4.)
- Enclosure Set-screw Fittings --- Hubbell
- Mechanical Connector --- Copper Set Screw Lug; (16AWG - 14AWG)
- Mechanical Connector --- Ceramic Wire Nut; Proheat (18AWG)
- Pulling Lubricant --- Polywater J

*Certified assemblies, no substitute of any kind can be made

COMPLIANCE:

UL 1424 Listed FPL for Power-Limited Fire Alarm Circuits; 300V/75°C classified
CSA Std. C22.2 No. 208-03
CSA Type FAS90, 300V FT1
Meets National Fire Protection Code (NFPA 70 & 72) fire alarm survivability circuit requirements

APPLICATION

Fire alarm circuit integrity (NEC Article 760), and emergency systems (NEC Articles 700 and 517).
Suitable for 2-hr. certified fire-resistive applications in EMT conduit.*
Fire certified for Power-Limited system use at 72V phase-to-phase utilization voltages (16AWG, 14AWG)
Fire certified for Power-Limited system use at 50V phase-to-phase utilization voltages (18AWG)
Meets fire alarm survivability circuit requirements in the National Fire Protection Code (NFPA 72)

* DuraLife FPL® products are not approved for use in RMC or IMC conduit systems

Radix™
www.radix-wire.com

DuraLife FPL® Shielded

UL 2-Hour Fire Certified FIRE RESISTIVE ALARM CABLES
FHIT & FHITC.28B Electrical Circuit Integrity System

CONSTRUCTION:

Oxygen-free bare copper (OFHC) conductors, solid and stranded; proprietary ceramifiable silicone rubber insulation; color-code black and red insulation on leads, aluminum/aramid shield, and 22AWG solid TC drain
Low smoke - zero halogen FRPE outer jacket. Black jacket color available at an additional charge
Patent Pending

PACKAGING:

Available on 1,000 ft., 2,000 ft. and 5,000 ft. standard length reels, smaller reels available from distributors

RADIX WIRE-II DURALIFE-W E241484 2/C 18 AWG SHIELDED FPL 75C / (UL) 2196 WITH HOSESTREAM/ (ULC) S139 NO HOSESTREAM/CLASSIFIED 2 HR. FIRE RESISTIVE CABLE FOR USE IN FHIT AND FHITC ELECTRICAL CIRCUIT INTEGRITY SYSTEM 28B. SEE FIRE RESISTANCE DIRECTORY R21213.// CSA LL13427 FAS90 300V FT1

RADIX P/N	#COND	AWG	NOMINAL INSUL THICKNESS (INCH)	NOMINAL JACKET THICKNESS (INCH)	NOMINAL O.D.	MIN. - MAX. SPEC. RANGE	NET WEIGHT (LBS PER MFT)	COPPER LBS/MFT	CAPACITANCE (pF/Ft.)	IMPEDANCE @1 MHz (OHMS)
CI18A0102-104	2	18 SOLID	0.032"	0.035"	0.326"	+/-0.020"	51	9.8	19.4	93.3

RADIX WIRE-II DURALIFE-W E241484 2/C 16 AWG SHIELDED FPL 75C / (UL) 2196 WITH HOSESTREAM/ (ULC) S139 NO HOSESTREAM/CLASSIFIED 2 HR. FIRE RESISTIVE CABLE FOR USE IN FHIT AND FHITC ELECTRICAL CIRCUIT INTEGRITY SYSTEM 28B. SEE FIRE RESISTANCE DIRECTORY R21213.// CSA LL13427 FAS90 300V FT1

RADIX P/N	#COND	AWG	NOMINAL INSUL THICKNESS (INCH)	NOMINAL JACKET THICKNESS (INCH)	NOMINAL O.D.	MIN. - MAX. SPEC. RANGE	NET WEIGHT (LBS PER MFT)	COPPER LBS/MFT	CAPACITANCE (pF/Ft.)	IMPEDANCE @1 MHz (OHMS)
CI16A0102-104	2	16 SOLID	0.032"	0.035"	0.340"	+/-0.020"	60	16.4	24.3	77.8

RADIX WIRE-II DURALIFE-W E241484 2/C 14 AWG SHIELDED FPL 75C / (UL) 2196 WITH HOSESTREAM/ (ULC) S139 NO HOSESTREAM/CLASSIFIED 2 HR. FIRE RESISTIVE CABLE FOR USE IN FHIT AND FHITC ELECTRICAL CIRCUIT INTEGRITY SYSTEM 28B. SEE FIRE RESISTANCE DIRECTORY R21213.// CSA LL13427 FAS90 300V FT1

RADIX P/N	#COND	AWG	NOMINAL INSUL THICKNESS (INCH)	NOMINAL JACKET THICKNESS (INCH)	NOMINAL O.D.	MIN. - MAX. SPEC. RANGE	NET WEIGHT (LBS PER MFT)	COPPER LBS/MFT	CAPACITANCE (pF/Ft.)	IMPEDANCE @1 MHz (OHMS)
CI14A0702-104	2	14/7	.0032"	.0035"	0.380"	+/-0.020"	78	25.2	25.9	69.4
CI14A0102-104	2	14 SOLID	0.032"	0.035"	0.365"	+/-0.020"	75	24.8		

Certifications & EMT Fill Listings

Certifications	18 AWG	16 AWG	14 AWG
Solid Conductor	✓	✓	✓
7-Strand Conductor	-	-	✓
Single-Cable EMT Horizontal	¾" Wheatland	¾" - 1" Wheatland	¾" - 1" Wheatland
Single-Cable EMT Vertical	¾" Wheatland	¾" - 1" Wheatland	¾" - 1" Wheatland
Multi-Cable EMT Vertical	¾" Wheatland	¾" - 1" Wheatland	¾" - 1" Wheatland
Fill Rates	**18 AWG**	**16 AWG**	**14 AWG**
¾" EMT Horizontal	Up to 2 Cables	1 Cable	1 Cable
1" EMT Horizontal	-	Up to 2 Cables	Up to 2 Cables
¾" EMT Vertical	Up to 2 Cables	1 Cable	1 Cable
1" EMT Vertical	-	Up to 2 Cables	Up to 2 Cables

Note: 18AWG, 16AWG, and 14AWG cables may be installed within the same raceway when not exceeding the number of cables associated with the 14AWG installation.

All dimensions listed above are nominal
Compliance: UL Listed File No. E241484. Fire Directory R21213

Radix Wire
26000 Lakeland Boulevard, Euclid, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com

SPECIFICATIONS

DuraLife™ FPL

UL 2-Hour Fire Certified FIRE RESISTIVE ALARM CABLES
FHIT.28A Electrical Circuit Integrity System

UL 2196 CERTIFIED / UL 1424 LISTED. FHIT SYSTEM NO. 28A. LOW SMOKE, ZERO HALOGEN DESIGN (LSOH)

Unshielded - 16AWG - 14AWG; 2-conductor; Circuit Integrity in Conduit (CIC)
NEC Type FPL; for use in protective electrical system (EMT)
California State Fire Marshals: LISTING No. 7162-2173:0100
DuraLife™ FPL - Fire Resistive Alarm Cables

CERTIFICATION LISTINGS:

16AWG solid OFHC; 2-conductor vertical straight-through w/ couplings in EMT conduit; 72" max. support spacing
16AWG solid OFHC; 2-conductor horizontal straight-through w/ couplings in EMT conduit; 60" max. support spacing
16AWG solid OFHC; 2-conductor horizontal straight-through w/ pull box in ¾" EMT conduit; 60" max. support spacing
16AWG solid OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 60" max. support spacing

14AWG 7-strand OFHC; 2-conductor vertical straight-through w/ couplings in EMT conduit; 72" max. support spacing
14AWG 7-strand OFHC; 2-conductor horizontal straight-through w/ couplings in EMT conduit; 60" max. support spacing
14AWG 7-strand OFHC; 2-conductor horizontal straight-through w/ pull box in EMT conduit; 60" max. support spacing
14AWG 7-strand OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 60" max. support spacing

14AWG solid OFHC; 2-conductor vertical straight-through w/ couplings in EMT conduit; 72" max. support spacing
14AWG solid OFHC; 2-conductor horizontal straight-through w/ couplings in EMT conduit; 60" max. support spacing
14AWG solid OFHC; 2-conductor horizontal straight-through w/ pull box in EMT conduit; 60" max. support spacing
14AWG solid OFHC; 2-conductor horizontal w/ mechanical splice in ¾" EMT conduit; 60" max. support spacing

HARDWARE SYSTEM CERTIFIED:

- EMT Conduit --- Wheatland*, Tube FasTrak Plus
- EMT Couplings --- Raco or Halex
- Compression Fittings --- Cooper Crouse-Hinds
- NEMA 1 Splice Enclosure/Pull Box --- Cooper B-Line (Pull box size up to 12x12x4)
- Set-screw Fittings --- Hubbell
- Copper Off-Set Fixed Lug Connector with ¼-20 set-screw --- Penn-Union
- Pulling Lubricant --- Polywater J

*Certified assemblies, no substitute of any kind can be made

COMPLIANCE:

UL 1424 Listed FPL for Power-Limited Fire Alarm Circuits; 300V/90°C classified
UL Certified to UL 2196 2-hour fire rating in FHIT System 28A
Meets National Fire Protection Code (NFPA 70 & 72) fire alarm survivability circuit requirements

APPLICATION

Fire alarm circuit integrity (NEC Article 760), and emergency systems (NEC Articles 700 and 517).
Suitable for 2-hr. certified fire-resistive applications in EMT conduit.*
Fire certified for Power-Limited system use at 72V phase-to-phase utilization voltages.
Meets fire alarm survivability circuit requirements in the National Fire Protection Code (NFPA 72)

* DuraLife™ FPL products are not approved for use in RMC or IMC conduit systems

Radix™

www.radix-wire.com

DuraLife™ FPL

UL 2-Hour Fire Certified FIRE RESISTIVE ALARM CABLES
FHIT.28A Electrical Circuit Integrity System

CONSTRUCTION:

Oxygen-free bare copper (OFHC) conductors, solid and stranded; proprietary ceramifiable silicone rubber insulation; color-code black and red insulation on leads

Low smoke - zero halogen FRPE outer jacket. Black jacket color available at an additional charge

Patent Pending

PACKAGING:

Available on 1,000 ft., 2,000 ft. and 5,000 ft. standard length reels, smaller reels available from distributors

RADIX WIRE-II DURALIFE™ E241484 2/C 16 AWG SHIELDED FPL 90C / (UL) CLASSIFIED FIRE RESISTIVE CABLE FOR USE IN ELECTRICAL CIRCUIT INTEGRITY SYSTEM 28A. SEE UL FIRE RESISTANCE DIRECTORY R21213 CSA LL13427 FAS90 300V FT1 - (MONTH/YEAR)

RADIX P/N	#COND	AWG	NOMINAL INSUL THICKNESS (INCH)	NOMINAL JACKET THICKNESS (INCH)	NOMINAL O.D. (INCH)	MIN. - MAX. SPEC. RANGE	NET WEIGHT (LBS PER MFT)	COPPER LBS/MFT	NOMINAL CAPACITANCE (pF/FT)	CHARACTERISTIC IMPEDANCE @1MHZ (OHMS)
CI16A0102	2	16 SOLID	0.032″	0.035″	0.292″	0.272" - 0.312"	55.41	15.6	15.3	110.9

RADIX WIRE-II DURALIFE™ E241484 2/C 14 AWG SHIELDED FPL 90C / (UL) CLASSIFIED FIRE RESISTIVE CABLE FOR USE IN ELECTRICAL CIRCUIT INTEGRITY SYSTEM 28A. SEE UL FIRE RESISTANCE DIRECTORY R21213 CSA LL13427 FAS90 300V FT1 - (MONTH/YEAR)

RADIX P/N	#COND	AWG	NOMINAL INSUL THICKNESS (INCH)	NOMINAL JACKET THICKNESS (INCH)	NOMINAL O.D (INCH).	MIN. - MAX. SPEC. RANGE	NET WEIGHT (LBS PER MFT)	COPPER LBS/MFT	NOMINAL CAPACITANCE (pF/FT)	CHARACTERISTIC IMPEDANCE @1MHZ (OHMS)
CI14A0702	2	14/7	0.032″	.0035″	0.332″	0.312"-0.352"	61.1	25.1	17.3	99.4
CI14A0102	2	14 SOLID	0.032″	0.035″	0.326″	0.322"-0.334"	59.01	25.62		

Certifications & EMT Fill Listings

Certifications	16 AWG	14 AWG
Solid Conductor	✓	✓
7-Strand Conductor	-	✓
Single-Cable EMT Horizontal	¾" - 2" Wheatland	¾" - 2" Wheatland
Single-Cable EMT Vertical	½" - 2" Wheatland	½" - 2" Wheatland
Multi-Cable EMT Vertical	¾" - 2" Wheatland	¾" - 2" Wheatland
Fill Rates	**16 AWG**	**14 AWG**
½" EMT Vertical	1 Cable	1 Cable
¾" EMT Horizontal	1 Cable	Up to 2 Cables
1" EMT Horizontal	Up to 2 Cables	Up to 2 Cables
¾" - 1" EMT Vertical	Up to 4 Cables	Up to 3 Cables
1¼" EMT Vertical & Horizontal	Up to 4 Cables	Up to 3 Cables
1½" EMT Vertical & Horizontal	Up to 6 Cables	Up to 4 Cables
2" EMT Vertical & Horizontal	Up to 10 Cables	Up to 8 Cables

Note: 16AWG, and 14AWG cables may be installed within the same raceway when not exceeding the number of cables associated with the 14AWG installation.

All dimensions listed above are nominal

Compliance: UL Listed File No. E241484. Fire Directory R21213

Radix Wire
26000 Lakeland Boulevard, Euclid, OH 44132
Tel: 216 731-9191 • Fax: 216 731-7082
www.radix-wire.com