

CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20170809
Date 2022-October-28

Issued to: Radix Wire and Cable, LLC
30333 Emerald Valley Pkwy
Glenwillow OH, 44139-4394 United States

**This is to certify that
representative samples of**

FIRE-RESISTIVE CABLE

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 2196 & ULC-S139, Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables.

CRD to UL 2196 & CRD to ULC-S139, Certification Requirement Decision regarding Tensile Method, Marking, and Installation Instructions.

Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>.



CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20170809
Date 2022-October-28

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

USC

No. of Conductors	AWG/kcmil Size
DuraLife II Type FPLR/FPLR-CI unshielded for use in System No. FHIT.28C, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTU dated Aug 2020 and Addendum dated Sep 2018.	
2	18, 16, 14, 12
DuraLife II Type FPLR/FPLR-CI shielded for use in System No. FHIT.28C, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTS dated Aug 2020 and Addendum dated Sep 2018.	
2	18, 16, 14

CNL

No. of Conductors	AWG/kcmil Size
DuraLife II Type FAS90 unshielded for use in System No. FHIT7.28C, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTU dated Aug 2020.	
2	18, 16, 14, 12
DuraLife II Type FAS90 shielded for use in System No. FHIT7.28C, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTS dated Aug 2020.	
2	18, 16, 14



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20190528
Date 2022-October-28

Issued to: Radix Wire and Cable, LLC
30333 Emerald Valley Pkwy
Glenwillow OH, 44139-4394 United States

**This is to certify that
representative samples of**

FIRE-RESISTIVE CABLE

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 2196 & ULC-S139, Fire Test for Circuit Integrity of Fire-
Resistive Power, Instrumentation, Control and Data Cables.

CRD to UL 2196 & CRD to ULC-S139, Certification
Requirement Decision regarding Tensile Method, Marking,
and Installation Instructions.

Additional Information:

See the UL Online Certifications Directory at
<https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>.



CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20190528
Date 2022-October-28

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

USC

No. of Conductors	AWG/kcmil Size
DuraLife II Type FPLR/FPLR-CI unshielded for use in System No. FHIT.28D, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTSCU dated Aug 2020.	
3, 4, 5, 6, 7, 8	18, 16, 14, 12
DuraLife II Type FPLR/FPLR-CI shielded for use in System No. FHIT.28D, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTSCU dated Aug 2020.	
3, 4, 5, 6, 7, 8	18, 16, 14

CNL

No. of Conductors	AWG/kcmil Size
DuraLife II Type FAS90 unshielded for use in System No. FHIT7.28D, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTSCU dated Aug 2020.	
3, 4, 5, 6, 7, 8	18, 16, 14, 12
DuraLife II Type FAS90 shielded for use in System No. FHIT7.28D, FRR 2h, Maximum 50 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions CTSCU dated Aug 2020.	
3, 4, 5, 6, 7, 8	18, 16, 14



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20211206
Date 2022-December-16

Issued to: Radix Wire and Cable, LLC
30333 Emerald Valley Pkwy
Glenwillow OH, 44139-4394 US

This is to certify that representative samples of FIRE-RESISTIVE CABLE
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: ANSI/UL 2196, Fire Test for Circuit Integrity of Fire Resistive Power, Instrumentation, Control and Data Cables.

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.


Deborah Jennings-Conner, VP Regulatory Services



UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

CERTIFICATE OF COMPLIANCE

Certificate Number R21213
Report Reference R21213-20211206
Date 2022-December-16

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

USC

No. of Conductors	AWG/kcmil Size
DuraLife® Type RHH/R90 for use in System No. FHIT.28E, FRR 2h, Maximum 480 VAC (line-to-line) when installed in accordance with the manufacturer's installation instructions dated Dec. 2021.	
1	14, 12, 10, 8, 6, 4, 3, 2, 1, 1/0, 2/0, 3/0, 4/0, 250, 300, 350, 400 and 500

Deborah Jennings-Conner
Deborah Jennings-Conner, VP Regulatory Services



UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>.