



dragonskin™

THIS DRAGON EATS FIRE



dragonskin™

Introducing DragonSkin™ UL 2196-Certified
Standalone Coaxial Cable from RFS

THE FIRST AND ONLY
IN-BUILDING
COAXIAL CABLE CERTIFIED
BY UL WITHOUT ADDING
METAL CONDUIT AND EXTENSIVE
WRAPPING, OR BUILDING A
FIRE-RESISTANT ENCLOSURE.

UL R40176, E239351, E468774 UL SYSTEM FHIT 1250



IT TAKES A DRAGON TO TAME A BEAST.

KEEP COMMUNICATIONS ALIVE TO SAVE LIVES. Fire doesn't stop it. Water doesn't slow it. DragonSkin protects mission-critical public safety communications, meeting the NFPA 72 Survivability standards, to prevail over "the beast" that is fire in a building. It is the first 2-hour fire-rated circuit integrity cable available. DragonSkin also bends like a slithering creature, to make installation (even when retrofitting an existing building) easier and faster and much less expensive.

It's exactly what you would expect from RFS, the leader in industry firsts that last. RFS invents and innovates, introducing new ways and bold improvements that so often remain the best approach to solving problems.



NOTHING SLAYS THE DRAGON.

ON THE CONTRARY. DRAGONSKIN SLAYS ALL OTHER ALTERNATIVES.

The formidable, tenacious, fire-eating dragon doesn't need to carry an extraneous shield or bulk up with armor. It's built in. Other cables get bulky and less flexible because they need rigid and weighty metal conduits with hefty and restrictive wrapping. This compromises their practical usefulness, making installation time-consuming and expensive, especially when retrofitting in existing buildings.



The Challenge: IN-BUILDING COMMUNICATIONS CABLES WITH NFPA 72 SURVIVABILITY ARE REQUIRED IN A NUMBER OF JURISDICTIONS IN THE UNITED STATES.

The Only Solution: DRAGONSKIN IS THE ONLY STANDALONE RF COAX CABLE:

- proven to successfully transmit radio frequency signals through a minimum of a 2-hour burn
- also continues to operate when suddenly cooled down with water



DRAGONSKIN IS THE ONLY STANDALONE RF COAX CABLE CERTIFIED BY UL

DRAGONSKIN PROTECTS

MISSION-CRITICAL COMMUNICATIONS WITH
SUPERIOR, BUILT-IN PERFORMANCE:



THINNER

Standalone cable is
.54" diameter vs. up
to 8" for a wrapped
cable



PROTECTS

Withstands up to
1000°C (1850°F)
high-heat condition



SAFER

Because it emits
low-to-no smoke



FLEXIBLE

7" bend radius
makes it easier to pull
through walls



CERTIFIED

CATVP Plenum-certified
for use in the environmental
air handling space



LIGHTEST WEIGHT

No secondary element
needed to make firesafe



LOWER TOTAL COST OF OWNERSHIP

Smaller size, lower weight



FAST INSTALLATION

Installs like a standard RF
communications cable

dragonskin™

DRAGONSKIN PUT TO THE TEST

UL TESTING LABORATORY APPROVES DRAGONSKIN AS
2196-CERTIFIED



DRAGONSKIN DURING BURN TEST



DRAGONSKIN DURING WATER TEST

"IT'S A TREMENDOUS STEP FORWARD FOR IN-BUILDING PUBLIC SAFETY COMMUNICATIONS."

– DAN LEAF, PRESIDENT, *LEAF COMMUNICATIONS*

DragonSkin helps first responders reach people on all floors of a burning building with urgent cellular and public safety radio communications:

- critical with fires in high-rise buildings
- often, many people may be located above the fire

Get the lowest total cost of ownership with DragonSkin:

- installs like a standard RF communications cable
- this saves time and money

Every other in-building coaxial cable is merely compliant rather than certified:

- all compliant-only products are either shielded in protective metal conduit extensively wrapped in fire-resistant materials, or installed in special enclosures
- this increases their cable size, weight and cost plus reduces the cable's bending radius
- installation of ordinary alternatives is more difficult, time-consuming, and expensive compared to DragonSkin (especially in cases where existing buildings are being retrofitted)

UL R40176, E239351, E468774 UL System FHIT 1250

SIMPLIFY, ACCELERATE AND REDUCE THE COST OF INSTALLING
FIRE-RESISTANT COMMUNICATIONS CABLES WITH DRAGONSKIN:



7" BEND
RADIUS



LIGHTEST
WEIGHT



FASTEST
INSTALLATION



LOWEST COST
OF OWNERSHIP

COMPARE DRAGONSKIN TO NON-CERTIFIED
UL 2196-COMPLIANT INSTALLATIONS:



DragonSkin = .54" Cable

OTHER SOLUTIONS
= Minimum 3"+
Cable, Conduit
and/or Wrapper

dragonskin

dragonskin

THIS DRAGON EATS FIRE



dragonskin™

DragonSkin sets the new, industry-leading standard to meet UL 2196 requirements. And it's the easiest choice.



Retrofitting with a certified replacement is finally doable, easier and affordable with RFS' standalone UL 2196-certified coaxial cable: new DragonSkin. This new cable complements RFS' line of indoor, plenum-rated ICA cables. RFS indoor cables are recognized around the world for their ability to meet key fire safety standards, including CMP, CATVP, CPR and Canadian CSA C.22.2/FT6 requirements. They are also ETL-listed to UL 444.

DragonSkin's striking red color also immediately identifies it as a mission-critical communications cable, and accommodates regular RFS connectors.

YOU CAN NOW AFFORD TO MAKE
YOUR BUILDING CERTIFIED.

DragonSkinCable.com

[Contact RFS for inquiries outside of North America.]





Radio Frequency Systems (RFS) is a global designer and manufacturer of total-package solutions for wireless and broadcast infrastructure.

DragonSkinCable.com | RFSworld.com | www.twitter.com/RFSworld

© 2020 Radio Frequency Systems. RFS®, DragonSkin™ and the DragonSkin logomark are registered trademarks of Radio Frequency Systems.

