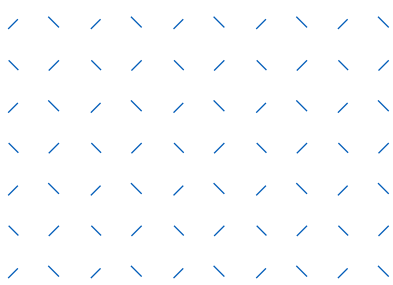


# ERRCS GUIDELINES FOR PROJECTS IN CCSF



***Technical and Applicable Codes Guidelines for Design and Installation of Emergency Responders Radio Coverage Systems (ERRCS) in the City and County of San Francisco (CCSF) per the San Francisco Fire Department (SFFD) and the Department of Technology (DT) - Effective 8.17.2020***





# ERRCS GUIDELINES



## INTRODUCTION

Effective 17 August 2020, The San Francisco Fire Department (SFFD) has published specific requirements for approved 2-HR fire resistive coaxial cables to be used in the jurisdiction for ERRCS Systems (ERRCS).

You must comply with ALL of the applicable requirements listed when you submit ERRCS permit plans for 2-HR fire resistive coaxial cable.

You should include a copy of these requirements on your ERRCS permit plans and indicate how you comply with each specific applicable requirement (you could use a checklist format).

RFS Technologies has gathered and provided you the DragonSkin information that is required in the sections listed below. To access the documents, click or copy-paste the hyperlink provided in this document.

## SECTION F: SFFD AB#2.01-2019 ADDENDUM G SECTION F: PUBLISHED ON THE SFFD WEBSITE

All ERRCS wires and cables (coax, fiber optic, etc.) shall comply with the required pathway survivability level based on the building's type of construction. In all building's portions/areas having 2-HR construction (such as Type IA or IB construction AND 2-HR rated vertical enclosures such as stairways or shafts in Type III and Type V buildings or portions of buildings) pathway survivability level 2 (or 3) shall be required. In all building's portions/areas having less than 2-HR construction (such as Type III or V construction) pathway survivability Level 1 shall be permitted.

(F.1) Per NFPA 1221-2016 Section 9.6.2, pathway survivability shall comply with Section 5.10.

(F.2) Where a Pathway Survivability Level 2 or 3 is required per item F of this Addendum G, it shall comply with any of the options listed in NFPA 1221-2016 Section 5.10.3 or 5.10.4 respectively.

(F.3) If option # 1 of Section 5.10.3 or 5.10.4 is proposed which is "2-HR fire rated circuit integrity (CI) or fire-resistive Cable" – the following items shall be provided on the ERRCS (FIRE ONLY) Permit Plans submittal to be reviewed and approved by the SFFD Plan-Review Section inspector during the ERRCS permit review process:

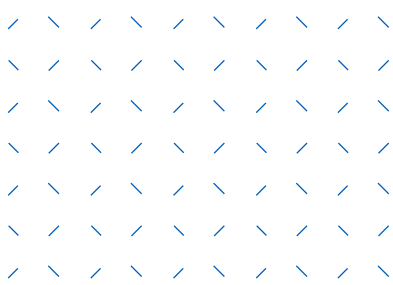
2

## SECTION F.3.1

Scanned copy of the cable manufacturer's cut sheets showing the specific UL 2196 (or other approved equivalent) listing for the proposed cable as a 2-HR fire resistive cable.

## DOWNLOAD THE CUT SHEET





# ERRCS GUIDE- LINES

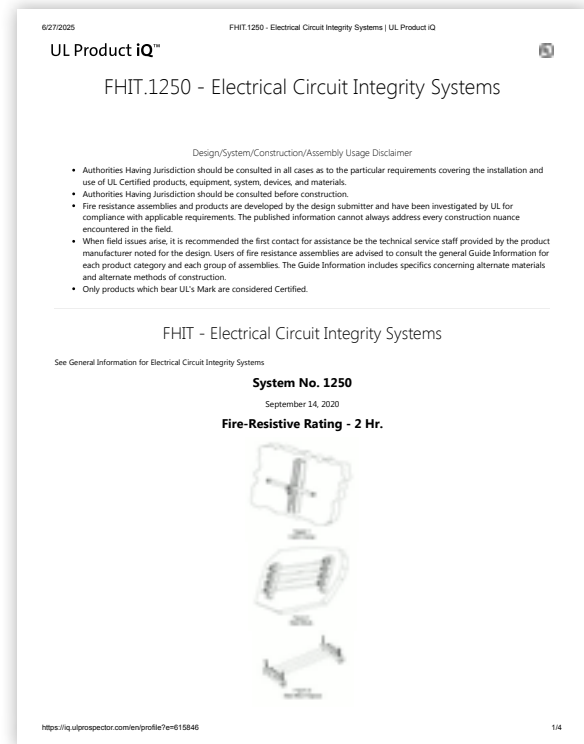


## SECTION F.3.2

Scanned copy of the associated UL Fire-Resistive Cable category - FHIT system 1250 (or other approved equivalent) including all specific Manufacturers' Installation Instructions for the proposed cable and its associated attachments to the building structure.

[DOWNLOAD THE FHIT SYSTEM 1250 DOCUMENT](#)

[DOWNLOAD THE INSTALLATION INSTRUCTIONS](#)



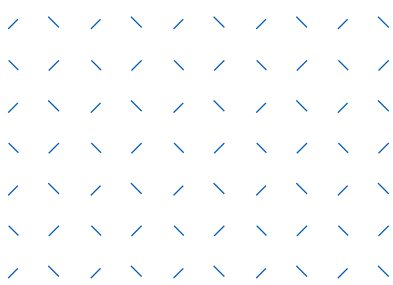
3

## SECTION F.33

Scanned current copy of the CSFM listing sheet for the proposed cable.

[DOWNLOAD THE CSFM LISTING SHEET](#)





# ERRCS GUIDELINES



## SECTION F.3.4

Statement of compliance, from the cable manufacturer, with CEC-2019 Article 820 with specific indication for the UL listing (or other approved equivalent) of this cable as a "Plenum Rated Cable Assembly" - not required to be installed in metallic raceway.

### [DOWNLOAD DECLARATION OF CONFORMITY](#)





Patented © 2020 RFS Technologies. DragonSkin™ is a trademark



[www.rfstechnologies.com](http://www.rfstechnologies.com)

