



Radio Frequency Systems

Wireless Indoor Solutions

RFS Radiating Cables for Mission Critical Services– 29/01/2026



AGENDA



1. Company Update
2. Product Update
3. CPR Overview



Lifetime Connectivity

Welcome



RFS
a **YOFC**
Smart Link Better Life.
Company
since April 2024



125 Years

of Experience and Innovation in the Telecom Industry



50th Anniversary of RADIAFLEX®

Global Leader of Radiating Cable Supporting Tunnel / Rail Communications



4 Market Segments

Mobile Outdoor, Transport, Vertical / Industrial, Broadcast / Waveguide



15+ Sales Offices

Europe, Middle East Africa & Asia-Pacific



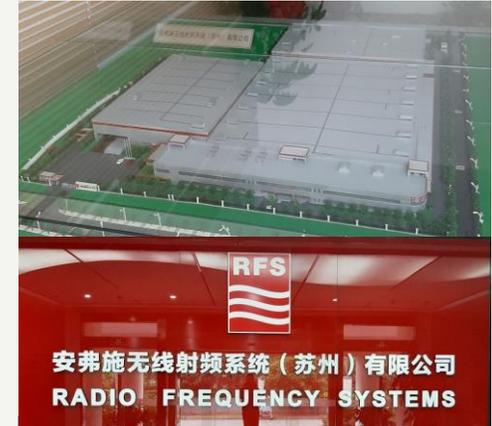
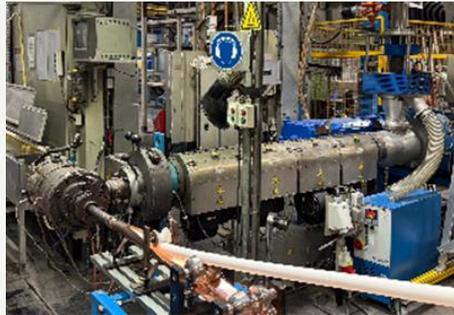
2 Manufacturing Facilities to Serve the World

Germany & China



THE WORLDWIDE REFERENCE FOR RADIATING CABLE SINCE 1972

RADIAFLEX latest industrial investments



New Burn Chamber

See RFS press release

Jacketing Lines Upgrade

Ensures highest CPR classification

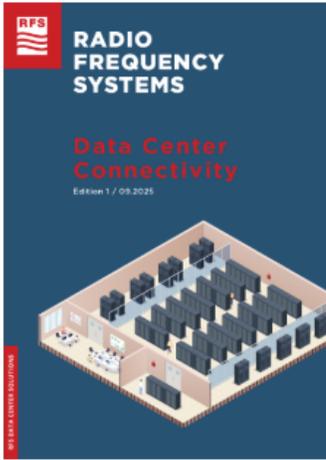
New Punching Machine

Capacity extension, speed

Dual Factory Supply

Capacity, business continuity

[New On-Site Burn Chamber Cements RFS's Commitment to Developing Best-In-Class Fire-Resistant Cable - Lifetime Connectivity](#)



October 23, 2025

Advanced Fiber and Connectivity Solutions for Data Centers

Discover how RFS's cutting-edge fiber and connectivity solutions are helping data centers meet soaring capacity demands, optimize power consumption, and manage future-ready infrastructure.

[Download](#) [Read it online](#)



400G	200G	100G
<ul style="list-style-type: none"> Supports 4x 100G Breakout Connector options LC, MPO-12, MPO-16 Max reach 10km 	<ul style="list-style-type: none"> Connector options MPO-12 Max reach 100m 	<ul style="list-style-type: none"> Connector options LC, MPO Max reach 80km Compliant QSFP28 MSA, IEEE 802.3bm 100GBASE-SR4/LR4/ER4 4 channels full-duplex Up to 28Gb/s per channel Single 3.3V power supply
50G	40G	25G
<ul style="list-style-type: none"> Connector options LC Max reach 40km 	<ul style="list-style-type: none"> Connector options LC, MPO Max reach 40km Compliant QSFP MSA, IEEE 802.3ba 40GBASE-SR4/LR4/ER4 4 channels full-duplex Up to 11.2Gb/s per channel Single 3.3V power supply 	<ul style="list-style-type: none"> Connector options LC Max reach 10km Up to 28Gb/s bi-directional data links Duplex LC connector Single 3.3V power supply

TABLE OF CONTENTS

ADDRESSING DATA CENTER CHALLENGES

- Data Explosion [4](#)
- Power Consumption Optimization [4](#)
- CPR-compliant cables for any application [4](#)
- RFS Performance Matrix [5](#)

ADVANCED CABLE TECHNOLOGIES

- Extending Fiber Performance [6](#)
 - OM4+ Fiber
 - Multi-Mode OM5 Fiber
- Flagship Technologies [8](#)
 - Multi-Core Fiber
 - Hollow Core Fiber

COMPLETE INTERFACE TO INTERFACE TECHNOLOGIES

- Transceivers [10](#)
- Active Optical Cable [11](#)
- Passive & Active Copper Cable [12](#)

IMPROVING FIBER MANAGEMENT

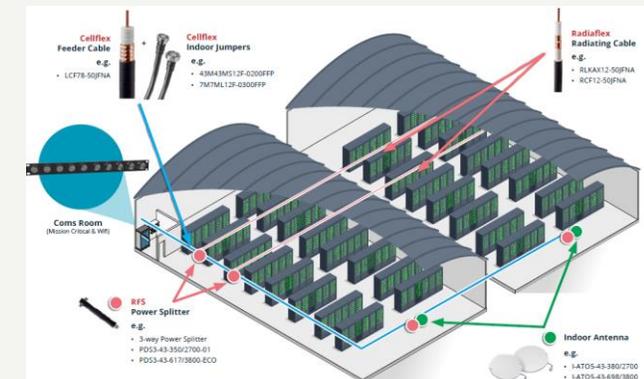
- Increasing Fiber Capacity [16](#)
 - Patch Panels
 - Cabinets
 - Main Distribution Frame
- Easy Install Plug and Play Solutions [18](#)
 - Fiber and Trunk Assemblies

ADDRESSING THE WIRELESS LAYER

- Complete in-building wireless [21](#)

RFS AS A PARTNER FOR CONNECTIVITY

- Connectivity Solutions [23](#)
- Tailored to Your Industry



Fiber Cable for Railways

GYFZY

All Dielectric fire-resistance stranded loose tube optical cable

Merits of RFS`s Optical Cables for Rail Transport:

- Full range of optical cables and all-round measures are provided, including cabling in limited space and emergency treatment, etc.
- Easy for construction and maintenance, with low later-stage costs
- Optical cables of different fire-resistance levels are available for different applications on request
- Special fire-resistance structure and materials are used, which are environment friendly
- Comply with relevant standards including IEC60754-1&2, IEC60332-1&3, IEC60331 and IEC61034, etc.

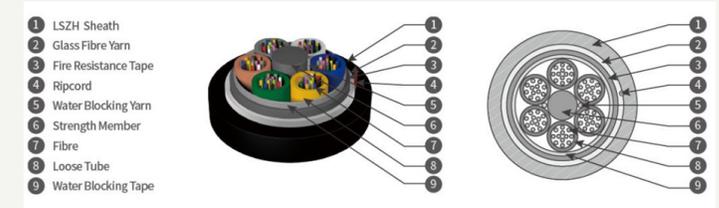
Optical Fibers are housed in loose tubes that are made of high-modulus plastic filled with tube filling compound. The tubes and filler are stranded around a non-metallic central strength member to form a cable core. The core is armored with a layer of fire-resistance tape and glass fiber yarns. Then, a LSZH outer sheath is extruded.

Features:

- Accurate process control ensuring good mechanical and temperature performance
- The material of loose tubes with good hydrolysis resistance and relatively high strength
- Small size and light weight, easy for installation
- Fire-resistant layer and LSZH sheath ensuring good fire-resistance and flame-retardant performances
- All-dielectric design, applicable to lightning-prone areas

Recommended Optical Cable products for Rail Transport:

Type	Structural Characteristics
GYFZY	Non-metallic + fire-resistance layer + flame-retardant sheath
GYFZS	Single fire-resistance layer + single PSP armor + single flame-retardant sheath
GYFZS53	Double fire-resistance layers + double PSP armors + double flame-retardant sheaths
GYFZS53+33	Double fire-resistance layers + double PSP armors + single steel wire armor + 3 flame-retardant sheaths
GYFZA04+33	APL armor and steel wire armor + fire-resistant layer + anti-termite layer + flame-retardant sheath



Technical Characteristics:

Type	Units	Filler	Cable Ø (mm)	Cable weight (kg/km)	Tensile strength Long/Short (N)	Crush Long/Short (N/100mm)
GYFZY-6Xn	6	5	10,8	120	600/1500	300/1000
GYFZY-12Xn	6	4	10,8	120	600/1500	300/1000
GYFZY-24Xn	6	2	10,8	120	600/1500	300/1000
GYFZY-48Xn	6	2	12,4	180	600/1500	300/1000
GYFZY-72Xn	6	0	12,4	180	600/1500	300/1000
GYFZY-96Xn	8	0	13,6	220	600/2000	300/1000

Specifications are subject to change without notice.





Fiber Cable Solutions for Wind Turbines



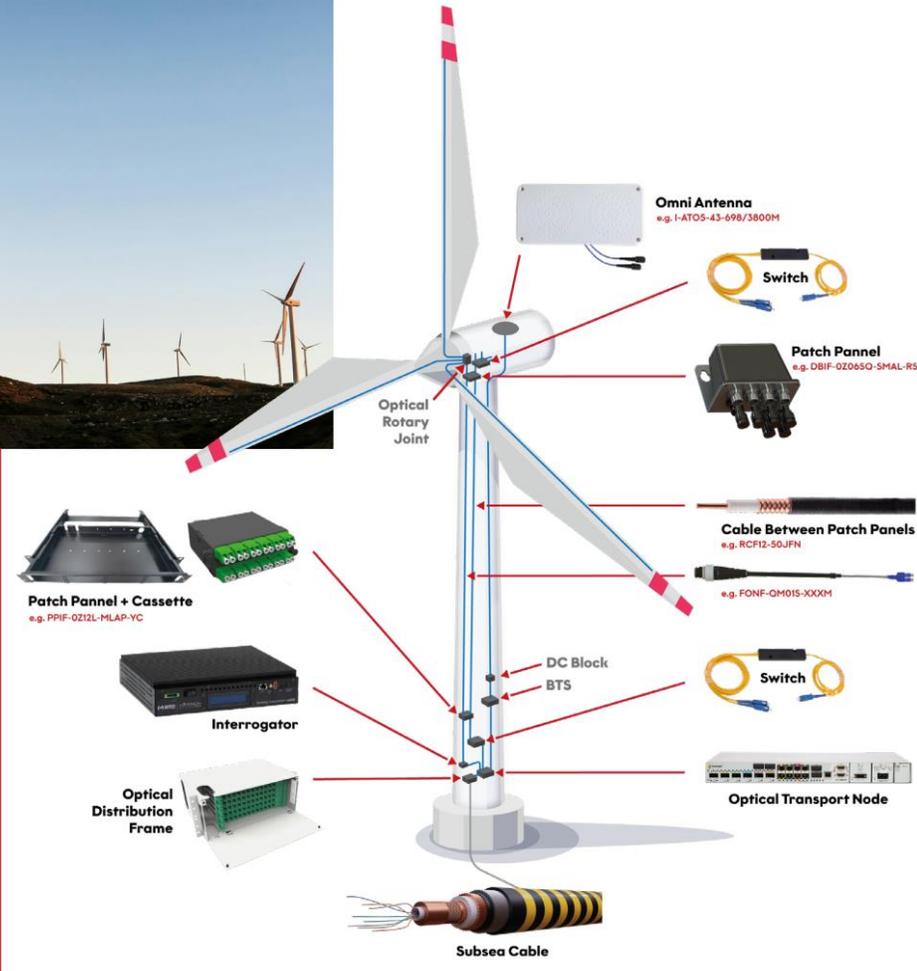
Advanced Wireless Solutions for Wind Turbines

SUPERCHARGE WIND-GENERATED POWER WITH CONNECTED TECHNOLOGIES



For flexibility, we offer hybrid options, which have been developed for **Distributed Radio Systems (DRS)**.

These cables combine fiber connectivity with power to allow for easier installation where a power source may be an issue.



High Performance Communication

CELLFLEX[®]

Setting the world standard in communication cables

- Design and manufacturing for **more than 120 years**
- **Continuous innovation** in cable technology
- **Strong industrial footprint** and global presence to serve global and local customer needs
- Supporting **evolution to new wireless standards**
- Providing **end-to-end connectivity**
- Recognized premium cable brands

CELLFLEX, HELIFLEX, HYBRIFLEX, RADIAFLEX, FLEXWELL



WE LEAD

THE CABLE INDUSTRY



Tower backbone



Emergency setting



Indoor Coverage

IN-Tunnel Coverage RADIAFLEX®

RADIAFLEX cables are bringing 5G to tunnels and setting world-record speeds along the way

- **Ultra-broadband:** Unique mode suppression technology means no stopbands between 610 MHz and 3800 MHz.
- **Any frequency:** Unconditionally 4G- and 5G-ready in all 3GPP bands up to 4200 MHz.
- **Any service:** Support all commercial and mission-critical services between 75 MHz and 4200 MHz.
- **Any technology:** Deploy multi-operator, multi-service shared infrastructure.
- **Easy evolution:** Ideally suited for spectrum rebanding and refarming projects.
- **Fire-resistant:** Meet the latest fire safety standards. Choose JFNA, JFLA or CPR jacket types



WE LEAD
THE CABLE INDUSTRY



Everything FRMCS is Mission-Critical
IoT integration, automated train control, and voice communication for mission-critical applications are among the anticipated applications under the FRMCS standard, and all require the resilience of mission-critical infrastructure. Rail operators moving towards the new standard need not only to future-proof their infrastructure, but ensure it is fully capable of supporting every application with mission-critical resilience, building in connectivity safety nets to for uninterrupted communications.

Ensuring Mission-Critical Performance
When making infrastructure decisions, rail operators need to ensure:

- Support for mission-critical voice, data, and signalling applications
- In-built redundancy and proven resilience in harsh

RADIAFLEX: Delivers Mission Critical
RADIAFLEX is the leading networking cable solution, fully capable of meeting mission-critical requirements.

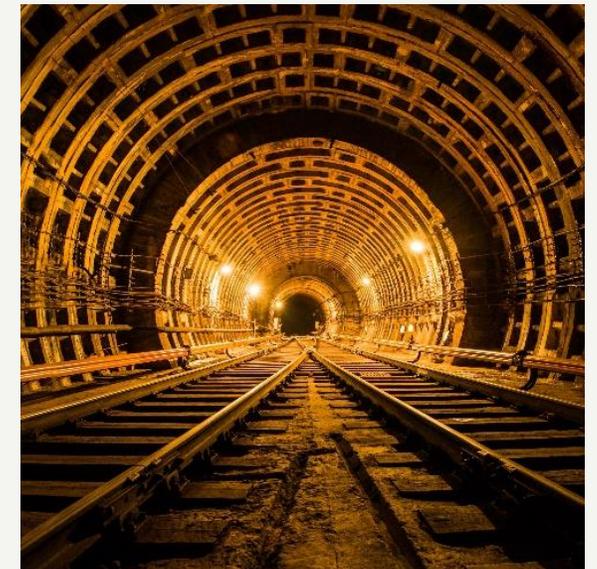
- **SUPPORT OF ANY APPLICATION**
RADIAFLEX cables support multiple frequency bands and services technologies so they can deliver all mission-critical wireless services in tunnels.
- **IMPROVE COMMUNICATIONS QUALITY**
RADIAFLEX cables ensure low signal loss and cabling losses, can be tailored for maximum performance, and are optimized to deliver mission-critical communications with complete reliability.
- **FUTUREPROOF INVESTMENTS**
RADIAFLEX cables support a wide range of wireless services up to 7 GHz and allow for future-proof communications systems featuring extremely long operating lifetimes.

NEWSROOM | BROCHURE

FRMCS-Ready with RFS RADIAFLEX

The rail industry is entering a period of transition, with the FRMCS (Future Railway Mobile Communication System) framework set to become the next industry standard. FRMCS will facilitate the next-generation communication within the industry, using 5G technology for key applications.

[READ BROCHURE](#)



Indoor Communication **RADIAFLEX®**

**Best in Class Commercial and Private
Wireless Network solutions**

- End-to-end wireless indoor connectivity
- Cable connectivity (RF, fiber, power) augmented with **RF distribution components and indoor antennas** for optimum indoor coverage at lowest TCO
- **Best-in-class fire rating**, meeting international and local standards
- **Technology agnostic, RF broadband, multi-operator, neutral host ready solutions**



WE LEAD

THE CABLE INDUSTRY



Broadcast & Defense Communication

HELIFLEX®

Industry firsts that last

- **HELIFLEX:** for more than 70 years the global standard for flexible, high power, low loss, air dielectric RF coaxial cable
- **Up to 9"** cable size
- **Highest power rating**
- **Designed and manufactured in Germany**
- **Built on towers and used in iconic projects all over the world**



WE LEAD
THE CABLE INDUSTRY



Fiber & Power Communication

HYBRIFLEX[®]

Customize with complete
confidence and agility

- **End-to-end cable connectivity** in outdoor/macro and indoor environments
- **HYBRIFLEX:** the standard for hybrid (fiber & power) cables
- **Fiber-only and Power-only cable assemblies and solutions**
- **Light weight, crush resistant, resilient**



WE LEAD
THE CABLE INDUSTRY



RADIAFLEX® Inbuilding and Tunnel Applications



- INDOOR PANEL- AND DIRECTIONAL ANTENNAS
- COMBINER, SPLITTER, TAPPER
- DC-BLOCKS, LOADS
- DIFFERENT TYPES OF RADIAFLEX CABLE FOR DIFFERENT APPLICATIONS



RFS RADIAFLEX® Radiating Cables

Standard Cable Connectors



Single-piece high performance connectors

- Cost effective single-piece design for safe and easy installation.
- Robust mechanical design.
- Simple attachment avoids unnecessary connector adjustments.
- Waterproof to IP 68 with mandatory shrinking sleeve.
- Interface 7-16 (DIN), N-type
- **NEW 4.3-10 female for 7/8" radiating cables (43F-RA78-016)**

RFS RADIAFLEX® Radiating Cables

Standard Cable Connector 4.3-10 female for RLK*/RAY* 78



PRODUCT DATASHEET

43F-RA78-016

4.3-10 Female Connector for 7/8" RADIAFLEX® cable



These single-piece high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to RADIAFLEX® cables. The connectors provide outstanding value to users because they permit quick, easy and reliable installation at any location, thereby allowing the operator flexibility while saving installation time and money. They attach to prepared cable in one piece assuring error-free attachment. All connectors are fully tested for mechanical and electrical compliance specifications. They are available in all popular cable sizes in all type N, 7-16 DIN and 4.3-10 interface for RADIAFLEX 7/8" radiating cables.

Features / Benefits

- Single-piece design for Fast and Easy Installation - Reliable and simple attachment avoids unnecessary connector adjustments and provides outstanding performance. Saves time and provides cost savings.
- Robust Mechanical Design - Low and consistent IM performance.
- Excellent Electrical Performance - Low VSWR
- Totally Waterproof - Assures safe, long term operation in the harshest of environments.
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

Technical Features

GENERAL SPECIFICATIONS

Cable Size	7/8
Cable Type	Radiating
Model Series	all RLF, RLK and RAY78-50A-Series
Connector Interface	4.3-10
Connector Type	Straight
Sealing Method	Shrinking Sleeve

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68
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MECHANICAL SPECIFICATIONS

Body Material	Brass / Plating: Tri metal
Inner Contact Material	Copper / Plating: Silver
Length	67.9mm (2.67in)
Outer Diameter	34mm (1.33in)
Inner Contact Attachment	Spring Finger / Plating: silver
Outer Contact Attachment	Spring loop / Plating: silver

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 Ω	
Maximum Frequency	3.7 GHz	
Frequency Range	VSWR value	Return Loss value
0 - 1 GHz	1.03	36.6
1 - 2.7 GHz	1.06	30.7
2.7 - 3.7 GHz	1.08	28.3

ACCESSORIES

Wrench size front	32mm (1.25in)
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RFS RADIAFLEX Radiating Cables

PIM Optimized Radiating Cable Connectors

P02 connector family
 PIM or Passive InterModulation is a major aspect of today's high performance wireless communication systems, because it can cause a major adverse effect on the quality of service and performance of a typical communications site. A new series of PIM optimized RADIAFLEX connectors has been designed to complement the RFS offer and to ensure highest network performance by simplifying connector installation.



Product Description	Model number
RFS RADIAFLEX® 1/2" flat foil radiating cables (not RSF/RCF)	
N-Female connector	NF-RA12-P02
N-Male connector	NM-RA12-P02
4.3-10 Female connector	43F-RA12-P02
Combination preparation tool (Universal Trimming Tool)	TRIM-SET-R12-P02
Insert for Combination preparation tool (Universal Trimming Tool)	TRIM-IR-R12-P02
Flaring Tool RADIAFLEX 1/2" for Universal Trimming Tool	TRIM-FR12-P02
RFS RADIAFLEX® 7/8" flat foil radiating cables (not RCF)	
7-16 female connector	716F-RA78-P02
7-16 male connector	716M-RA78-P02
4.3-10 female connector	43F-RA78-P02
Combination preparation tool (Universal Trimming Tool)	TRIM-SET-R78-P02
Insert for Combination preparation tool (Universal Trimming Tool)	TRIM-IR78-P02
Flaring Tool RADIAFLEX 7/8" for Universal Trimming Tool	TRIM-FR-P02
RFS RADIAFLEX® 1 1/4" flat foil radiating cables (not RCF/RCFS)	
7-16 female connector	716F-RA114-P02
4.3-10 female connector	43F-RA114-P02
Combination preparation tool (Universal Trimming Tool)	TRIM-SET-R114-P02
Insert for Combination preparation tool (Universal Trimming Tool)	TRIM-IR114-P02
RFS RADIAFLEX® 1 5/8" flat foil radiating cables (not RCF)	
7-16 female connector	716F-RA158-P02
4.3-10 female connector	43F-RA158-P02
Combination preparation tool (Universal Trimming Tool)	TRIM-SET-R158-P02
Insert for Combination preparation tool (Universal Trimming Tool)	TRIM-IR158-P02



RFS RADIAFLEX® Radiating Cables

Connectors for Radiating cables

	Standard	P02 Series
Design	single piece design	2 piece design
Outer Conductor contact	Spring finger	Clamping
Inner conductor contact	spring finger	spring finger
Installation Tool usage	Optional	Mandatory
VSWR performance	Good and Stable	Good and Stable
PIM performance	Inconsistent	Good and Stable
Cost/Price	Low	40 % higher
Future proof	No, PIM might be a future must have	Yes
4.3-10 available	For 7/8" RC only	4.3-10 plus the 716 and N (1/2" only) types



RFS RADIAFLEX Radiating Cables

Universal Trimming Tools

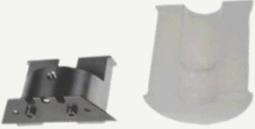
The Universal Trimming Tool Series prepares foam – dielectric coaxial cables for connector attachment. The integrated chamfer and flare station eliminates the need for individual tools for jacket trimming, deburring and proper flaring.

Each tool contains two preset cutting blades designed to efficiently trim the outer conductor and foam dielectric for proper connector installation. It also identifies the cable jacket cut back position.

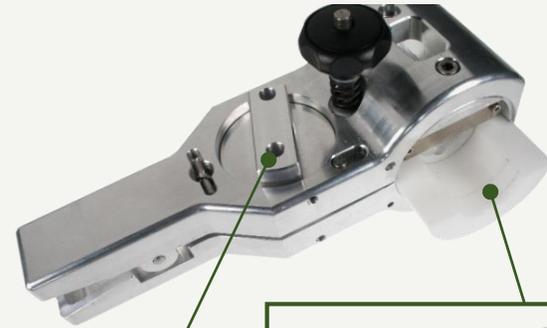
The tool series offers the additional advantage to be convertible to different connector families and cable sizes by changing the insert. Different inserts are available as optional orderable items.




TRIM-FL_**** for CELLFLEX® cables & for RADIAFLEX® cables with corrugated outer conductor.
TRIM-FR_***** for RADIAFLEX® cables with copper foil outer conductor (not for corrugated outer conductor)



TRIM-IL_***** for CELLFLEX® cables & for RADIAFLEX® cables with corrugated outer conductor.
TRIM-IR_***** for RADIAFLEX® cables with copper foil outer conductor (not for corrugated outer conductor)




TRIM-FL114-158 single flaring tool (spare part)



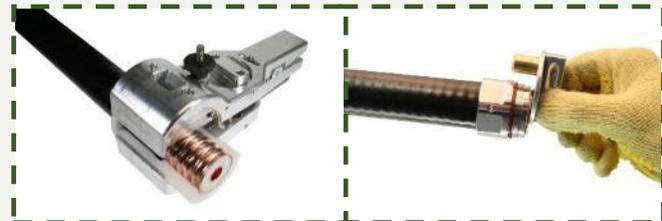
TRIM-IL *_***** for CELLFLEX® cables & for RADIAFLEX® cables with corrugated outer conductor.
TRIM-IR_***** for RADIAFLEX® cables with copper foil outer conductor (not for corrugated outer conductor)



Universal Trimming Tool for cable sizes up to 7/8"

TRIM-SET-S_***** or **TRIM-SET-L**_***** for CELLFLEX® cables & for RADIAFLEX® cables with corrugated outer conductor.

TRIM-SET-R_***** for RADIAFLEX® cables with copper foil outer conductor (not for corrugated outer conductor)



Universal Trimming Tool for cable sizes 1-1/4" & 1-5/8"

TRIM-SET-L*_***** for CELLFLEX® cables & for RADIAFLEX® cables with corrugated outer conductor.

TRIM-SET-R*_***** for RADIAFLEX® cables with copper foil outer conductor (not for corrugated outer conductor)

CPR Bauproduktenverordnung und internationale Standards für HF-Kabel

Januar 2026

CPR EU-BauPVO EN 50575

CPR Klassifizierung B2ca, Cca, Dca, Eca, Fca (Hauptgruppen)

		B2ca	Cca	Dca	Eca
Test Standard/Parameter					
IEC 60332-1-2	Flame Spread	≤ 425 mm	≤ 425 mm	≤ 425 mm	≤ 425 mm
EN50399	Flame Spread [m]	≤ 4.5 m	≤ 2.0 m	-	-
EN50399	Total Heat Release [MJ]	≤ 15 MJ	≤ 30 MJ	≤ 70 MJ	-
EN50399	Peak Heat Release [kW]	≤ 30 kW	≤ 40 kW	≤ 400 kW	-
EN50399	Fire Grow Rate [W/s]	≤ 150 Ws-1	≤ 3000 Ws-1	≤ 1300 Ws-1	-
		Additional Classification			
EN50399	Smoke Emission	s1, s2, s3	s1, s2, s3	s1, s2, s3	n.a.
EN61034	Smoke Density	s1a, s1b	s1a, s1b	s1a, s1b	n.a.
EN60754-2	Corrosivity	a1, a2, a3	a1, a2, a3	a1, a2, a3	n.a.
EN50399	Burning Droplets	d0, d1, d2	d0, d1, d2	d0, d1, d2	n.a.

Die Klassifizierung in die Gruppen B2ca, Cca, Dca, Eca und Fca wird durch die Reaktion des Kabels im Brandfall bestimmt.

Im Wesentlichen sind dies:

- Flammenausbreitung
- Feuerausbreitung
- Wärmeenergie / Wärmefreisetzung

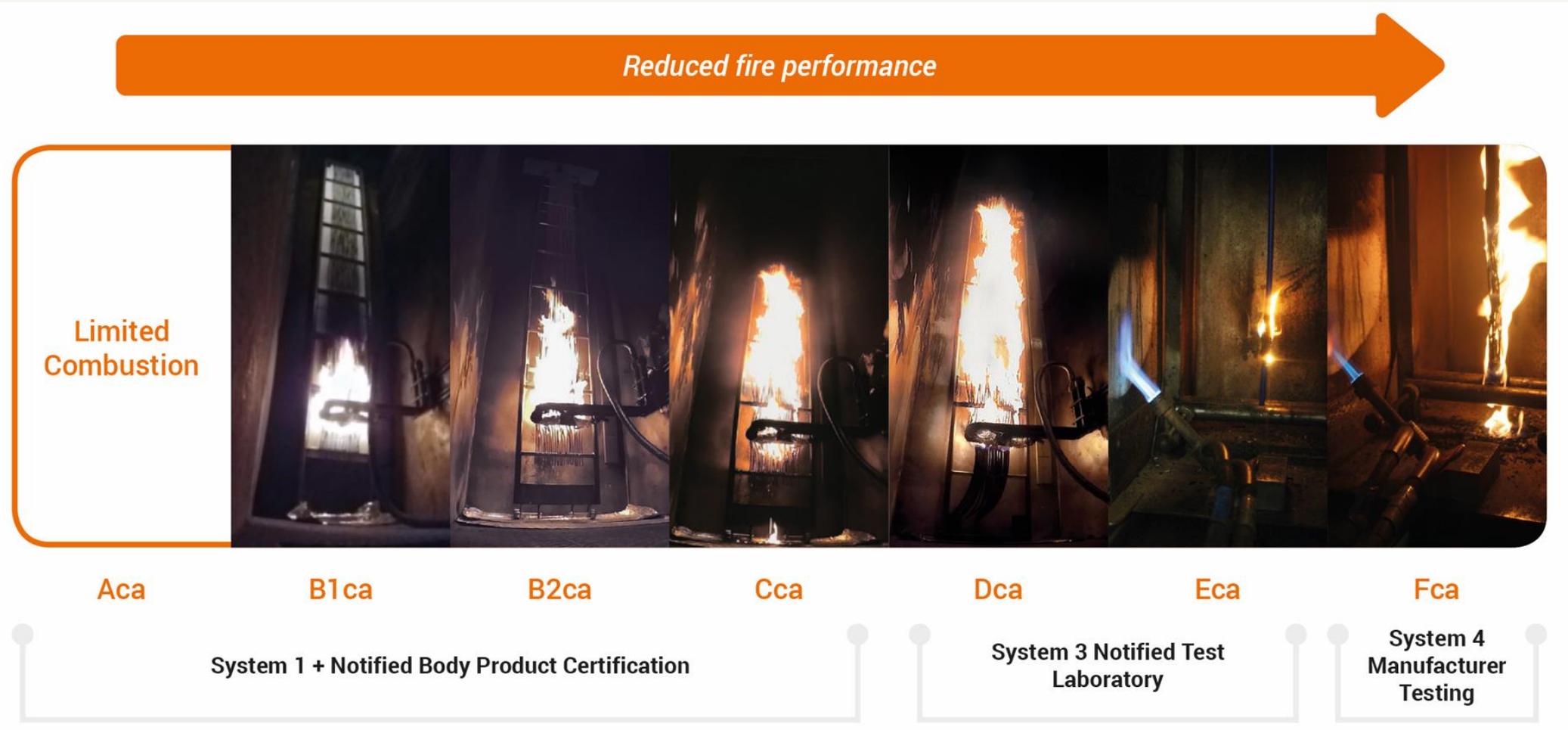
B2ca und Cca sind die zur Zeit höchst erreichbaren Klassen für koaxiale Kabel und leisten einen geringen Beitrag zum Brandgeschehen.

Da die Wärmefreisetzung und das Abtropfverhalten in direktem Zusammenhang stehen, ist eine Klassifizierung nach Cca s1 d0 a1 nicht unbedingt schlechter als eine B2ca s1 d1 a1 Klassifizierung. Das bereits abgetropfte Material (d1 anstelle d0!) wird folglich nicht mehr in die Bewertung der Wärmefreisetzung / Feuerausbreitung einbezogen.

Produkte mit Klassifizierung Eca werden nur nach der IEC 60332-1-2 (vertikale Flammausbreitung) getestet !

CPR EU-BauPVO EN 50575

CPR Klassifizierung B2ca, Cca, Dca, Eca, Fca (Hauptgruppen)



Quelle: Notified Body BASEC NB 2661

CPR EU-BauPVO EN 50575 CPR Klassifizierung s (Smoke Emission)

Die Kategorie s1, s1a, s1b, s2 und s3 beschreiben die Menge an entstehenden Rauchgasen bei einem Brand. Dabei beschreibt s1a die geringste Rauchentwicklung mit einem Transmissionsgrad von $\geq 80\%$ und bei der Kategorie s1b $\geq 60\%$.

Die Unterklassen d0, d1 und d2 beschreiben das Abtropfverhalten der Kabel bei einem Brand. Durch Einhaltung der Klasse d0 entstehen keine brennend abtropfenden Partikel. Dies garantiert maximale Sicherheit im Brandfall. Bei abstrahlenden Kabeln kann die höchste Klassifizierung d0 nur mit einer speziellen Mantelmischung (CPR) erzielt werden.



Standardkabel mit abtropfenden Partikeln

Die Azidität (a1, a2 , a3) beschreibt den Säuregehalt der abgegebenen Rauchgase der Kabel.

Die Kategorie a1 bildet die höchst erreichbare Klassifizierung mit einer Leitfähigkeit $< 2,5 \mu\text{S}/\text{mm}$ und einem pH Wert $> 4,3$.

Bei den koaxialen Kabeln CELLFLEX[®] erreichen – neben den speziellen CPR-Mantelmischungen – auch folgende Typen die Klasse B2ca (Stand Januar 2026):

- SCF38-50JFN B2ca s1a d0 a1
- SCF12-50JFN B2ca s1a d1 a1
- LCF12-50JFN B2ca s1a d1 a1
- LCF78-50JFNA B2ca s1a d0 a1

Bei den abstrahlenden Kabeln RADIAFLEX® mit CPR-Manteloption ergeben sich folgende Klassifizierungen (Stand Januar 2026):

- | | |
|---------------------------|----------------|
| ➤ RLK/RLKW/RLKU12-50CPR | B2ca s1a do a1 |
| ➤ RLK*/RAY*/RLF*78-50CPR | B2ca s1a do a1 |
| ➤ RLK*/RAY*/RLF*114-50CPR | B2ca s1a do a1 |
| ➤ RLK*/RAY*/RLF*158-50CPR | B2ca s1a do a1 |

Die von RFS entwickelte CPR-Mantelmischung garantiert höchste Sicherheit im Brandfall ohne abtropfende Partikel und weist keine Verschlechterung der elektrischen Daten der RADIAFLEX® Kabel auf.

Construction Products Regulation (CPR)

All communication cables intended for permanent installation in building structures must be manufactured and evaluated in accordance with the harmonized European standard EN 50575 and labelled with a CE marking pursuant to the EU Construction Products Regulation 305/2011 since 1 July 2017.

What does CPR imply?

- Cables placed on the market as construction products must comply with Regulation No. 305/2011 [1] of the European Union
- CPR regulates the requirements on cables in terms of their reaction to fire
- The regulations pertain to cables that are permanently installed in construction works (both above and below ground level)

What countries require CPR?

- All countries in the European Union are requested to convert the new requirements into national regulations
- Other countries will adopt the regulations (For example, Switzerland)

Why is CPR required?

- CPR provides a harmonized set of standards so customers can easily confirm that cables meet the more stringent fire safety requirements in European standard EN 50575.
- The LSZH certification is no longer considered adequately comprehensive to measure the fire safety performance of cables in the EU. However, all RFS CELLFLEX and RADIAFLEX cables with flame retardant jacket are still compliant to all applicable IEC fire

Declaration of Performance (DOP)

[All Declarations of Performance \(DOP\)](#)

[CELLFLEX Indoor Feeder Cable](#)

[CELLFLEX Outdoor Feeder Cable](#)

[RADIAFLEX Radiating Cables](#)

[Corrugated Radiating Cables](#)

[HYBRIFLEX](#)

[FLEXWELL](#)

[HELIFLEX](#)

Product Datasheets

[CELLFLEX® Feeder JFN ↗](#)

[CELLFLEX® Feeder CPR ↗](#)

Brochures and Press Releases

[RFS Passive DAS Selection Guide - High-Performance Indoor Solutions ↗](#)

[Product Release 08/2017 ↗](#)

- [Infos zu CPR](#)
- [Links zu den Datenblättern](#)
- [Links zu Pressemitteilungen](#)
- [Archiv für DoP's](#)
- [Link zum CPR Flyer](#)

[Home](#) / [Declarations of Performance \(DOP\)](#)

Declarations of Performance (DOP)

Hanover, Germany / Suzhou, China plants

Declaration of Performance (DoP) is the certificate issued by the manufacturer.

Please download your required document:

RADIAFLEX Radiating Cables: CPR Classification / DOP

		Manufactured in Hanover Factory	Manufactured in Suzhou Factory
RADIAFLEX Radiating Cables			
RADIAFLEX 1/2" RLK, RLF, RAY types	CPR Cable Jacket	B2ca s1a d0 a1 1000038974 Hanover Production	
	JFNA Cable Jacket	Cca s1a d2 a1 1000018256 Hanover Production	
RADIAFLEX 7/8" RLK, RLF, RAY types	CPR Cable Jacket	B2ca s1a d0 a1 1000024410	B2ca s1a d0 a1 1000038353
	JFNA Cable Jacket	Dca s1b d2 a1 1000018197 Hanover Production	
RADIAFLEX 1-1/4" RLK, RLF, RAY types	CPR Cable Jacket	B2ca s1a d0 a1 1000018192	B2ca s1a d0 a1 1000038151
	JFNA Cable Jacket	Dca s2 d2 a1 1000018257 Hanover Production	
RADIAFLEX 1-5/8" RLK, RLF, RAY types	CPR Cable Jacket	B2ca s1a d0 a1 1000018193	B2ca s1a d0 a1 1000038827
	JFNA Cable Jacket	Dca s2 d2 a1 1000018257 Hanover Production	



CPR EU-BauPVO EN 50575

RFS DoP (Leistungserklärung)

Declaration of Performance

Leistungserklärung



Document No. / Dokumenten Nr.: 10000021077

Products Produkte	LCF12-50JFN, LCF12-50JFNFC, LCF12-50CPR	
Identification Identifikation	Product-Name / Batch No. on cable jacket Produktname / Chargen-Nr. auf Mantel	
Intended use Verwendungszweck	Cables in stationery in-building installations are subject to construction products regulation with regards to fire requirements Fest installierte HF-Kabel in Gebäuden unterliegen der Bauprodukteverordnung bezüglich Brandschutz	
Name, registered trademark Registrierter Name	CELLFLEX® cables Kabel	
Contact Address Kontaktadresse	Radio Frequency Systems GmbH Kabelkamp 20 30179 Hannover Germany	
System of assessment and verification of constancy of performance (AVCP) System zur Bewertung und Überprüfung der Leistungsbeständigkeit	System 1+ This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in the standard listed below under System 1+ for the performance set out in this certificate are applied and that the factory production control, conducted by the manufacturer, is assessed to ensure the constancy of performance of the construction product. Diese Bescheinigung betätigt, dass alle in der unten aufgeführten Norm unter System 1+ für die in dieser Bescheinigung beschriebene Leistung aufgeführten Bestimmungen hinsichtlich der Bewertung und Überprüfung der Leistungsbeständigkeit Anwendung finden und, dass die vom Hersteller durchgeführte werkseigene Produktionskontrolle so bewertet worden ist, dass sie die Leistungsbeständigkeit für das Produkt sicherstellt.	
Notified Body Benannte Stelle	2851 (CE) 2661 (UKCA)	
Declared Performance: Erklärte Leistung:	Performance	Test Standard
Reaction to Fire Brandverhalten	CPR Classification B2ca s1a d0 a1	EN 50575:2014+A1:2016 (CE) BS EN 50575:2014+A1:2016 (UKCA)
Hazardous Substances Gefährliche Stoffe	none keine	

We hereby confirm that the products conform to the requirements of the standards / specifications listed.
Wir bestätigen hiermit, dass die Produkte den Anforderungen der Normen / Spezifikationen entsprechen.

28.10.2025
Robert Zorad, Head of Quality Hannover

Id.-Nr. DE 115 648756
Handelsregister Nr. B52392

Radio Frequency Systems GmbH
Kabelkamp 20



Declaration of Performance

Leistungserklärung

Document No. / Dokumenten Nr.: 10000024410

Products Produkte	RAY78-50CPR, RLF78-50CPR, RLFU78-50CPR, RLK78-50CPR, RLKU78-50CPR, RLKW78-50CPR, RLKX78-50CPR, RLKB78-50CPR	
Identification Identifikation	Product-Name / Batch No. on cable jacket Produktname / Chargen-Nr. auf Mantel	
Intended use Verwendungszweck	Cables in stationery in-building installations are subject to construction products regulation with regards to fire requirements Fest installierte HF-Kabel in Gebäuden unterliegen der Bauprodukteverordnung bezüglich Brandschutz	
Name, registered trademark Registrierter Name	RADIAFLEX® cables Kabel	
Contact Address Kontaktadresse	Radio Frequency Systems GmbH Kabelkamp 20 30179 Hannover Germany	
System of assessment and verification of constancy of performance (AVCP) System zur Bewertung und Überprüfung der Leistungsbeständigkeit	System 1+ This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in the standard listed below under System 1+ for the performance set out in this certificate are applied and that the factory production control, conducted by the manufacturer, is assessed to ensure the constancy of performance of the construction product. Diese Bescheinigung betätigt, dass alle in der unten aufgeführten Norm unter System 1+ für die in dieser Bescheinigung beschriebene Leistung aufgeführten Bestimmungen hinsichtlich der Bewertung und Überprüfung der Leistungsbeständigkeit Anwendung finden und, dass die vom Hersteller durchgeführte werkseigene Produktionskontrolle so bewertet worden ist, dass sie die Leistungsbeständigkeit für das Produkt sicherstellt.	
Notified Body Benannte Stelle	2851 (CE) 2661 (UKCA)	
Declared Performance: Erklärte Leistung:	Performance	Test Standard
Reaction to Fire Brandverhalten	CPR Classification B2ca s1a d0 a1	EN 50575:2014+A1:2016 (CE) BS EN 50575:2014+A1:2016 (UKCA)
Hazardous Substances Gefährliche Stoffe	none keine	

We hereby confirm that the products conform to the requirements of the standards / specifications listed.
Wir bestätigen hiermit, dass die Produkte den Anforderungen der Normen / Spezifikationen entsprechen.

19.03.2025
Robert Zorad, Head of Quality Hannover

Id.-Nr. DE 115 648756
Handelsregister Nr. B52392
Amtsgericht Hannover

Radio Frequency Systems GmbH
Kabelkamp 20
30179 Hannover, Germany

Radio Frequency Systems (RFS) ist der führende Hersteller von koaxialen sowie abstrahlenden Kabeln weltweit. Als ISO9001 und ISO14001 zertifiziertes Unternehmen legen wir höchste Qualitätsansprüche an unsere Produkte, die sich in einer Vielfalt von Applikationen bewährt haben.

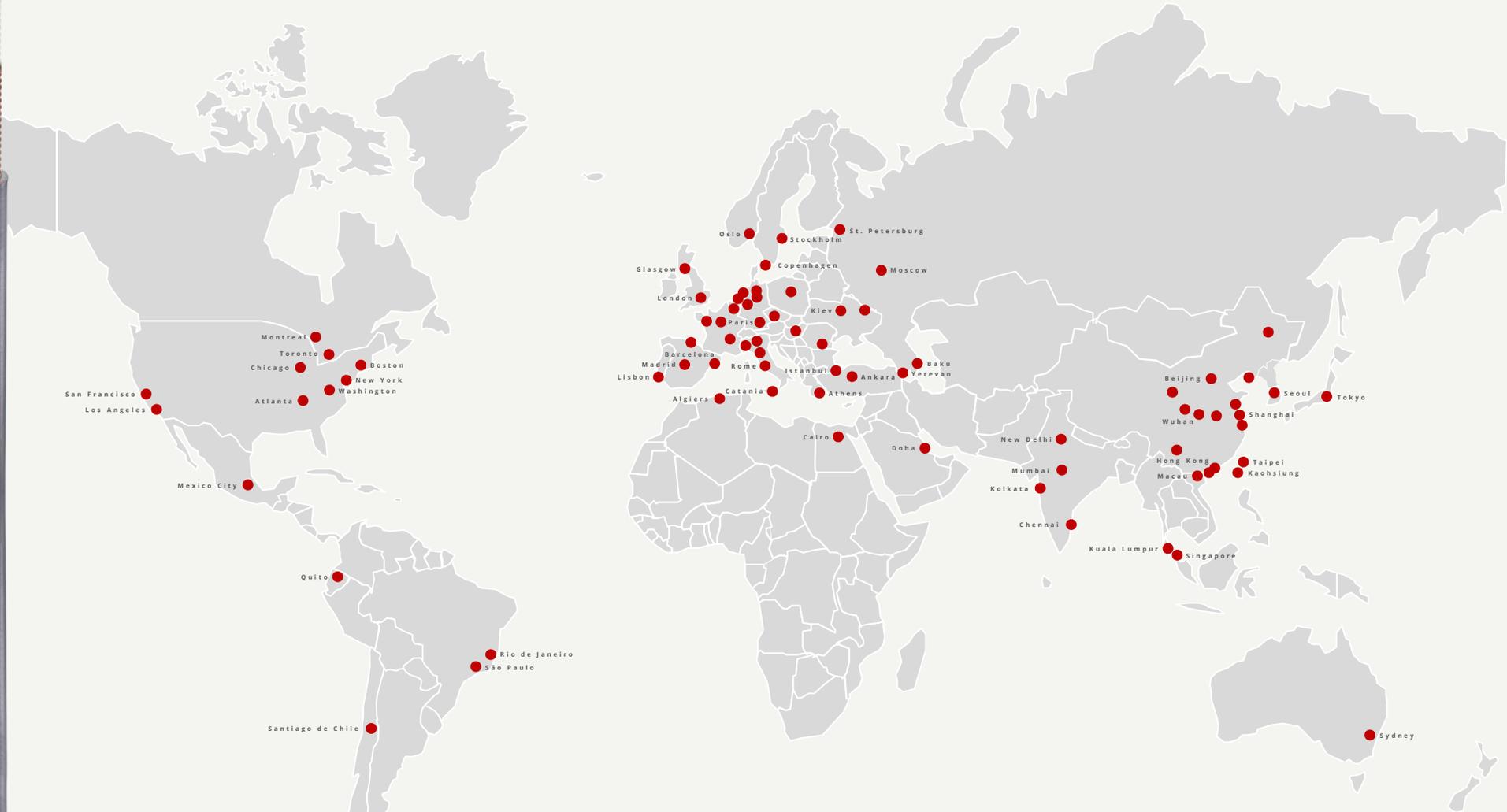
Unsere CELLFLEX- und RADIAFLEX-Kabel werden seit Jahrzehnten als technischer Standard in Gebäuden und Tunneln verbaut und erfüllen alle nationalen- und internationalen Brandschutznormen, die für koaxiale Kabel Anwendung finden.

Mit der Einführung der EU Richtlinie 305/2011, Teil hEN 50575, stellt RFS zusätzlich eine spezielle Manteloption CPR bereit, die die höchsten Anforderungen der BauPVO erfüllt.



RADIAFLEX®

In More Than 50% of All Metros & Subways Worldwide



Ultra-broadband

Any Frequency

Any Technology

Easy Evolution

Fire-resistant