

PRODUCT OVERVIEW

RFS Technologies is proud to introduce the ICA58, 5/8" plenum-rated corrugated coaxial cable. Engineered to empower engineers in optimizing in-building coverage systems, the ICA58 significantly expands our plenum cable family. It specifically addresses and fills a crucial performance gap that exists between 1/2" and 7/8" cables.



KEY ADVANTAGES

- **Easier Deployment**
Thanks to a smaller bending radius and bending moment, the ICA58 is considerably easier to deploy compared to 7/8" plenum cables.
- **Superior Electrical Performance**
It also delivers better electrical performance than 1/2" plenum cables, offering:
 - **24% lower attenuation** than 1/2" cables*
 - **38% higher power handling** than 1/2" cables*

* Comparisons based on RFS Technologies ICA12-50JPL cable specifications.

FEATURES & BENEFITS

- **Plenum-Rated and Code-Compliant**
Certified to U.S. and Canadian fire codes (NEC/NFPA/CSA).
- **Extended Reach vs. 1/2" cables**
Lower attenuation and higher power handling support longer cable runs and provide better RF coverage.
- **Simplified Installation**
ICA58 offers a tighter bend radius and requires less force to install compared to 7/8" cables.
- **Wideband, Future-Proof Performance**
Supports all major frequency bands up to 6 GHz-LTE, 5G, Wi-Fi, Public Safety and more.
- **Low PIM and High Signal Integrity**
Solid copper shield ensures clean transmission paths in signal-sensitive environments.

APPLICATIONS

- **Distributed Antenna Systems (DAS)**
- **Neutral host networks in public venues**
- **Public safety in-building coverage**
- **Private LTE/5G systems in enterprise, education, healthcare, and manufacturing**

**INDUSTRY-FIRST.
HIGH-PERFORMANCE.
FUTURE-READY.**



ICA58
Specifications:
online datasheet



Any
question?
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ICA58 TECHNICAL SPECIFICATIONS & COMPARISON TABLE

PROPERTY	ICA12	ICA58	HCA78
Nominal Size	1/2"	5/8"	7/8"
Outer Diameter (in)	0.627	0.827	1.103
Weight (lb/100ft)	0.165	0.25	0.46
Min Bend Radius, Single (in)	3	3	4
Min Bend Radius, Repeated (in)	5	7	10
Bending Moment (in-lb)	3	5.5	20
Max Power (kW)	40	55.6	73
Attenuation @ 68°F, dB/100ft			
100MHz	0.67	0.5	0.36
150MHz	0.82	0.62	0.44
300MHz	1.19	0.89	0.63
450MHz	1.48	1.1	0.79
800MHz	2.02	1.51	1.07
900MHz	2.16	1.61	1.13
2.6GHz	3.96	2.93	2
4GHz	5.13	3.78	2.72
6GHz	6.58	4.83	N/A

ORDERING INFORMATION

Product Description	Model Number
5/8" Plenum Rated Coaxial Cable	ICA58-50JPL
ICA58 Connector, 4.3-10 (Male/Female)	43M-ICA58-C03 / 43F-ICA58-C03
ICA58 Connector, N-type (Male/Female)	NM-ICA58-C03 / NF-ICA58-C03
ICA58 Connector, DIN-type (Male/Female)	716M-ICA58-C03 / 716F-ICA58-C03
ICA58 Connector Prep Tool	TRIM-ICA58-C03
Snap-in Hanger	SNAP-58
Butterfly Hanger	CLAMP-58
Grounding Kit	GKIT-60-5878

Additional related products, including PIM hygiene accessories, are available. Please consult RFS Technologies for more information and support.

SYSTEM INTEGRATION & COMPATIBILITY

The ICA58 is recommended for use with RFS Technologies' SCF14-50JPL, a 1/4" super flexible plenum-rated jumper cable. Together, they enable high-performance, low-PIM connections between main cable runs and antennas, active components, or signal sources.



CONTACT US

To learn more or request a quote, contact your RFS Technologies representative or visit us online at www.rfstechnologies.com



ICA58 Specifications:
[online datasheet](#)



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