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Архангельск (8182)63-90-72	Иркутск (395)279-98-46	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
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Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Саранск (8342)22-96-24	Тюмень (3452)66-21-18
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Технические характеристики на сетевые инфраструктуры RadiCoupler компании **DARE**

Coupling and Decoupling networks

RadiCoupler® Series

The RadiCoupler® Series offers a complete range of high quality, fully compliant and easy-to-use Coupling and Decoupling Networks (CDN). Raditeq offers one model for all standards! The RadiCoupler® Series is fully compliant to CISPR16, IEC61000-4-6, EN55015 and EN55035. These standards are applicable for a large range of EUT connectors. The RadiCoupler® Series sees to all of your CDN needs!

If you need a custom made Coupling/Decoupling Network, Raditeq is more than able to provide this to you!



RadiCoupler® Models overview

No products were found for this query.

The standard range of the RadiCoupler®

Raditeq delivers a complete range of high quality, fully compatible and easy to use CDN's. This makes it possible to perform fully compliant and reliably immunity tests on any type of EUT cable and corresponding connectors.

The table shows the selection of the CDN series from Raditeq.

Cable Type	Cable name	Application	Connector EUT	Connector AE
Mains	CPL M1 16A	1 line - 16A	4mm Safety Banana	4mm Safety Banana
Mains	CPL M2 16A	2 line - 16A	4 mm Safety Banana	4 mm Safety Banana
Mains	CPL M3 16A	3 line - 16A	4mm Safety Banana	4mm Safety Banana
Mains	CPL M3 32A	3 line - 32A	4mm Safety Banana	4mm Safety Banana
Mains	CPL M5 32A	5 line - 32A	4mm Safety Banana	4mm Safety Banana
Unscreened	CPL T2	2 line - balanced	4mm Safety Banana	4mm Safety Banana
Unscreened	CPL T4 RJ11	4 line - balanced	RJ11	RJ11
Unscreened	CPL T8 RJ45	8 line - RJ45	RJ45	RJ45
Screened	CPL S8 RJ45	8 line - RJ45	RJ45	RJ45
Screened	CPL USB-C	USB	USB-B	USB-A
Screened	CPL USB-P	USB	USB-A	USB-B
Screened	CPL USB 3.0-C	USB	USB-B 3.0	USB-A 3.0
Screened	CPL USB 3.0-P	USB	USB-A 3.0	USB-B 3.0
Screened	CPL HDMI	HDMI	HDMI	HDMI
Unbalanced	CPL AF2	2 line - unbalanced	4mm Safety banana	4mm Safety banana
Unbalanced	CPL AF3	3 line - unbalanced	4mm Safety banana	4mm Safety banana
Unbalanced	CPL AF4	4 line - unbalanced	4mm Safety banana	4mm Safety banana

Many of the standard RadiCoupler®



CI Test Bundle | 9 kHz - 400MHz @ 150W
Conducted Immunity Test Bundle

CI Test Bundle | 9 kHz - 250 MHz @ 75W

Conducted Immunity Test Bundle

RadiCoupler®

The international standard IEC 61000-4-6 covers conducted immunity requirements, which prevent the influence of radio frequency signals to electrical and electronic equipment. In order to perform conducted immunity testing on an EUT (Equipment Under Test) with several types of connecting cables each with its own set of connectors, different Coupling Decoupling Networks are needed.



RadiCoupler®

Models - CPL M | CPL AF2 | CPL T2 | CPL USB

Coupling Decoupling Network

CDN | Full Compliant | Magnetic

The international basic standard for conducted immunity testing (IEC 61000-4-6) specifies the design and characteristics of a range of coupling / decoupling networks (CDN's). To be able to perform conducted immunity testing on an EUT (Equipment Under Test) with several types of connecting cables, different CDN's are needed. Raditeq offers a complete range of high quality, full compliant and easy-to-use CDN's that enables customers to perform full compliant, simple and reliable conducted immunity testing on any kind of EUT cable.

- Full compliant to CISPR16, IEC61000-4-6, EN55015 and EN55035 standards
- Complete range for different EUT cables (AF, M, S and T)
- Each model covering frequency range 100 kHz up to 300 MHz
- Standard robust N-type RF input connection
- Easy Magnetic-Grounding connection
- Delivered including traceable calibration certificate*
- Calibration adapters included

*Accredited calibration optional

Selection of standard Raditeq CDN's

Cable type	Product Name	Application	Connector EUT port	Connector AE port
Mains	CPL M1 16A	1 line, 16 A	4 mm safety banana	4 mm safety banana
Mains	CPL M2 16A	2 line, 16 A	4 mm safety banana	4 mm safety banana
Mains	CPL M3 16A	3 line, 16 A	4 mm safety banana	4 mm safety banana
Mains	CPL M3 32A	3 line, 32 A	4 mm safety banana	4 mm safety banana
Mains	CPL M5 32A	5 line, 32 A	4 mm safety banana	4 mm safety banana
Unscreened	CPL T2	2 line, balanced	4 mm safety banana	4 mm safety banana
Unscreened	CPL T4 RJ11	4 line, balanced	RJ11	RJ11
Unscreened	CPL T8 RJ45	8 line, RJ45	RJ45	RJ45
Screened	CPL S8 RJ45	8 line, RJ45	RJ45	RJ45
Screened	CPL USB-C	USB	USB-B	USB-A
Screened	CPL USB-P	USB	USB-A	USB-B
Screened	CPL USB-3.0-C	USB 3	USB-B 3.0	USB-A 3.0
Screened	CPL USB-3.0-P	USB 3	USB-A 3.0	USB-B 3.0
Screened	CPL HDMI	HDMI	HDMI	HDMI
Unbalanced	CPL AF2	2 line, unbalanced	4 mm safety banana	4 mm safety banana
Unbalanced	CPL AF3	3 line, unbalanced	4 mm safety banana	4 mm safety banana
Unbalanced	CPL AF4	4 line, unbalanced	4 mm safety banana	4 mm safety banana

Non-listed CDN's can be requested by contacting Raditeq.

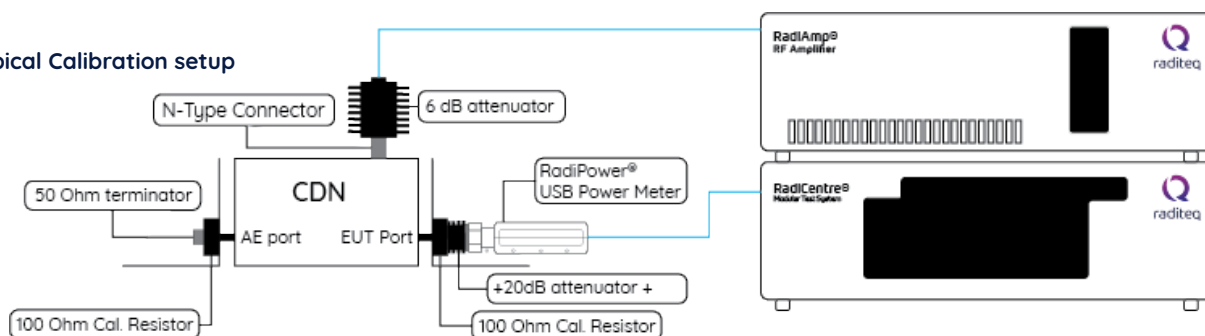
Technical Specifications



Meets the requirements

Standard - CISPR 16-1-2	Value	Frequency	RadiCoupler®
Impedance (magnitude)	150 ± 20 Ω	0,15 - 30 MHz	
Impedance (phase)	± 20 °C	0,15 - 30 MHz	
Response	- 9,6 to 12,6	0,15 - 150 MHz	
Isolation	> -40 dB	0,15 - 108 MHz	
Standard - IEC 61000-4-6	Value	Frequency	RadiCoupler®
Impedance (magnitude)	150 ± 20 Ω	0,15 - 24 MHz	
	150 ± 60 Ω / -45 Ω	24 - 80 MHz	
	150 ± 60 Ω	80 - 230 MHz	
Standard - EN 55015	Value	Frequency	RadiCoupler®
Impedance (magnitude)	150 ± 20 Ω	0,15 - 26 MHz	
	150 ± 0 Ω / -45 Ω	26 - 80 MHz	
	150 ± 60 Ω	80 - 300 MHz	
Standard - EN 55020	Value	Frequency	RadiCoupler®
Impedance (magnitude)	150 ± 20 Ω	0,15 - 30 MHz	
Impedance (phase)	± 20 °C	0,15 - 30 MHz	
Standard - EN 55035	Value	Frequency	RadiCoupler®
Response	± 30 dB	0,15 - 30 MHz	
Standard - All Combined	Value	Frequency	RadiCoupler®
Impedance (magnitude)	150 ± 20 Ω	0,15 - 30 MHz	
Impedance (phase)	± 20 °C	0,15 - 30 MHz	
Response	- 9,6 to 12,6	0,15 - 150 MHz	
Isolation	> -40 dB	0,15 - 108 MHz	
Mechanical Specifications		Dimensions	
Dimensions CDN housing (W x H x D)		100 mm x 100 mm x 200 mm	
Dimensions CDN outline (W x H x D)		140 mm x 120 mm x 206 mm	
Weight		± 1.2 kg	

Typical Calibration setup



- Standard one year of warranty is given on Raditeq equipment. After you register your new Raditeq product two (2) years of warranty will be added for free resulting in three (3) years of warranty.

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