



EXC

Two-Way Radio Antenna

Today's work and lifestyles require us to communicate anytime, anywhere whether on the move or sitting still. Bluetooth and 802.11 standards make wireless connections to computer networks and other devices possible, while at the same time enabling freedom of movement.

TE Connectivity's practical and rugged external wireless device antennas are designed to fit into the portable devices used in office, industrial and home environments. The antennas feature flexible elements and many are $\frac{1}{2}$ wave coaxial dipole design for reduced ground dependence and improved performance.

FEATURES AND BENEFITS

- Injection-molded $\frac{1}{4}$ wave flexible cable antenna
- High durability, high efficiency
- Textured finish with strain-relief base
- Available in various standard connectors
- An original Tuf Duck antenna

APPLICATIONS

- For Bluetooth and IEEE 802.11b/g devices

SPECIFICATIONS	
Model Name	EXCxxx
Operating Frequency (MHz)	UHF Trunking/Cellular
VSWR - Max	1.5:1
Nominal Impedance (Ohms)	50
Power Handling (W)	50
Polarization	Vertical
Ingress Protection Rating	IP67
Drop Test (M)	1
Operating Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)

CONFIGURATION

PART NUMBER	FREQUENCY BAND	CONNECTOR	AVERAGE LENGTH
EXC000SM-L	118-480 MHz	SM	15.57 – 17.02 cm (6.13 – 6.7 in.)
EXC340	336-343 MHz	BNX	20.32 cm (8.0 in.)
EXC400	400-420 MHz	BNX	17.15 – 17.8 cm (6.75 – 7.0 in.)
EXC420	420-450 MHz	BNX, SM	17.15 – 17.8 cm (6.75 – 7.0 in.)
EXC450	450-470 MHz	BN, BNX, MD, MX, PL, SFU, SM, TN	16.23 – 17.53 cm (6.39 – 6.9 in.)
EXC470	470-512 MHz	MX	15.57 – 17.02 cm (6.13 – 6.7 in.)
EXC806	806-866 MHz	MD, SF	9.4 – 11.68 cm (3.7 – 4.6 in.)
EXC902	902-960 MHz	BN, BNX, MD, SM, TN	8.9 – 9.27 cm (3.5 – 3.65 in.)
EXC1000	1000 MHz	BN	8.38 (3.3 in.)

Note: Order by antenna model, frequency, and connector (for example: EXC450MX). The length of each antenna varies according to the chosen connector.

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, complete, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES REGARDING THE INFORMATION CONTAINED HEREIN, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. In no event will TE be liable for any direct, indirect, incidental, special or consequential damages arising from or related to recipient's use of the information. It is the sole responsibility of recipient of this information to verify the results of this information using their engineering and product environment. Recipient assumes any and all risks associated with the use of the information. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements.

©2025 TE Connectivity. All Rights Reserved.

05/25 Original