



mdex Outdoor Antennae

Technical Specifications



mdex Outdoor Antenna



mdex Outdoor Antenna Plus



mdex Outdoor Antenna Pro

Frequencies	791-960 / 1710-2690 MHz	699-960 / 1710-2690 MHz	690-960 / 1710-2170 / 2500-2700 MHz
Gain	2.2 dBi max.	2.2 dBi typ.	5 dBi max.
Polarisation	vertical	vertical	linear
standing wave ratio	< 4:1	< 3:1	< 2:1
Impedancy	50 Ohm	50 Ohm	50 Ohm
max. output power	100 Watt	25 Watt	10 Watt
Operating conditions	-40°C bis +85°C	-40°C bis +85°C	-40°C bis +70°C
Cable type/ connector	5m RG58 / SMA(m)-Plug	5m H155 / SMA(m)-Plug	exkl. / N(f)-Socket
Colour	black	black	white
Dimensions	379 x 155 x 36 mm	325 x 155 x 36 mm	505 x 85 x 47 mm
Installation	wall	wall	wall / mast
Reception	+	++	+++
Our rating	solid entry-level model	best price-performance ratio	Best receptive power recommended for cable lengths > 5m

Please note:

mdex outdoor antennae are optimised for transmitting a mobile signal present outdoors indoors with as little signal loss as possible. No "amplification" takes place, i.e. if there is no sufficient mobile signal outdoors, the installation of outdoor antennae does not improve the reception situation.

Connecting cable for mdex Outdoor Antenna Pro

Connector: N(m)-Plug, SMA(m)-Plug

	7 Meter	10 Meter	15 Meter	20 Meter
Cable type	Belden H155	Belden H2007	Belden H2000flex	Belden H2000flex
Diameter Ø	5,4 mm	7,3 mm	10,3 mm	10,3 mm
min. bending radius	35 mm	35 mm	50 mm	50 mm
Attenuation 800 MHz (dB) ¹	2	2	2	3
Attenuation 1800 MHz (dB) ¹	3	3	3	4
Attenuation 2600 MHz (dB) ¹	3,5	3,5	3,5	4,5

Extension cable for mdex Outdoor Antenna and mdex Outdoor Antenna Plus

Connector: SMA(f)-Plug, SMA(m)-Plug

	5 Meter
Cable type	Belden H155
Diameter Ø	5,4 mm
min. bending radius	35 mm
Attenuation 800 MHz (dB) ¹	1,5
Attenuation 1800 MHz (dB) ¹	2
Attenuation 2600 MHz (dB) ¹	2,5

¹Typical values at + 20 °C, without connectors

Effective: 02.06.17
Subject to technical changes