The TNC cables allow easy installation of all Kathrein readers with TNCR connection and all Kathrein antennas with TNC socket. The cables enable a quick and easy connection. They meet the highest requirements for temperature and environmental conditions (e.g. IP 67).
At the same time, they have very low attenuation for best system performance.

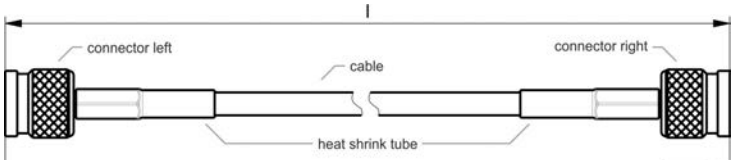


Antenna Cable General Specifications

Order number	Type	Connector, left	Connector, right	Cable Length	Attenuation
52010694	R-AC 1.5 TNC-TNCR	TNC plug (m)	TNCrev. plug (m)	1.5 m	0.5 dB
52010174	R-AC 3 TNC-TNCR	TNC plug (m)	TNCrev. plug (m)	3 m	1 dB
52010175	R-AC 6 TNC-TNCR	TNC plug (m)	TNCrev. plug (m)	6 m	2 dB
52010176	R-AC 10 TNC-TNCR	TNC plug (m)	TNCrev. plug (m)	10 m	3.3 dB
52010177	R-AC 15 TNC-TNCR	TNC plug (m)	TNCrev. plug (m)	15 m	5 dB

Feature

- cable type: LowLoss 240 flex or LowLoss H155
- impedance 50 Ω
- screening effectiveness >85 dB
- jacket PE, black
- diameter: cable 5.4 ± 0.2 mm; connector 16.2 mm
- min. bend radious 35 mm (single bend)
- operating temperature range –40°C to +70°C
- IP65 (if screwed) degree of protection



Connecting Cable 52010694/52010174/52010175/52010176/52010177

Suitable Readers

Gen3 Readers

Order number	Type	Region	used as
52010288 / -296	RRU 4500 Reader Unit	ETSI / FCC	feeder cable
52010292 / -300	ARU 3500 Antenna Reader Unit	ETSI / FCC	feeder cable

Gen4 Readers

Order number	Type	Region	used as
52010678 / -682	RRU 4500 Reader Unit	ETSI / FCC	feeder cable
52010679 / -683	RRU 4560 Reader Unit	ETSI / FCC	feeder cable
52010680 / -684	RRU 4570 Reader Unit	ETSI / FCC	feeder cable
52010681 / -685	ARU 3500 Antenna Reader Unit	ETSI / FCC	feeder cable
52010686 / -687	ARU 3560 Antenna Reader Unit	ETSI / FCC	feeder cable
52010688 / -689	ARU 3570 Antenna Reader Unit	ETSI / FCC	feeder cable

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936B026/M/1222 | Subject to changes.

The TNC-TNC right angle adaptor allows the easy installation of all Kathrein antennas with TNC connection, especially if close cable routing is desired. The antenna cable can be routed parallel to the back side of the antenna.



Antenna Cable General Specifications

Order number		**52010598**
Type		**R-AA TNC-TNC**
Frequency range	[MHz]	865 – 928 MHz
Impedance	[Ohm]	50
Dimension	[mm]	27 – TNC (m)- side 23.2 – TNC (f)- side

Suitable Antennas

PRO Line Antennas

Order number	**Type**	**Region**	**Remarks**
52010082 / -083	MiRa 100° PRO Antenna Unit	ETSI/FCC	
52010084 / -085	LoRa PRO Antenna Unit	ETSI/FCC	
52010092	ULoRa PRO Antenna Unit	ETSI/FCC	
52010172	S-MiRa 100° PRO Antenna Unit	ETSI/FCC	
52010333 / -334	WiRa 70° PRO Antenna Unit	ETSI/FCC	
52010583 / -584	WiRa 30° 70° PRO Antenna Unit	ETSI/FCC	
52010251 / -252	WiRa 40° PRO Antenna Unit	ETSI/FCC	Adaptor R-AA TNC-N (52010178) necessary
52010489 / -490	WiRa 25° 35° PRO Antenna Unit	ETSI/FCC	Adaptor R-AA TNC-N (52010178) necessary

EDGE Line Antennas

Order number	**Type**	**Region**	**Remarks**
52010723	MiRa 100° EDGE Antenna Unit	ETSI	
52010710 / -711	MiRa 90° EDGE Antenna Unit	ETSI/FCC	
52010725 / -726	WiRa 80° EDGE Antenna Unit	ETSI/FCC	
52010712 / -713	WiRa 55° EDGE Antenna Unit	ETSI/FCC	

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