

## Recommended wire chart

The chart below indicates recommended wire distances and wire gauges for your **Schlage SMS**.

Connection	Maximum Distance (ft)	Cable Recommendation
SRCNX Reader Controller to PC/CIM via RS-232 protocol	50	22 AWG/3 Cond., Strd., Shld
SRCNX Reader Controller to Contact Inputs	2,000	22 AWG/2 Cond., Strd., Twst., Shld
SRCNX Reader Controller to another SRCNX, SRINX, SIONX-24, PIM-485, VIP Locks via RS-485 protocol	4,000	18 AWG/2 Cond., Strd., Twst., Shld
SRINX Reader Interface, SIONX-24 or Schlage VIP Locks to external power supply	250	22 AWG/2 Cond., Strd., Shld
	500	18 AWG/2 Cond., Strd., Shld
	1,000	14 AWG/2 Cond., Strd., Shld
	2,000	12 AWG/2 Cond., Strd., Shld
SRINX Reader Interface to Magnetic Stripe read head	20	22 AWG/5 Cond., Strd., Shld
SRINX Reader Interface to Wiegand read head	500	22 AWG/5 Cond., Strd., Shld
SRINX Reader Interface to Proximity read head	500	18 AWG/5 Cond., Strd., Shld
SRINX Reader Interface to Bar Code read head	20	22 AWG/5 Cond., Strd., Shld
SRINX Reader Interface to Barium Ferrite read head	500	22 AWG/5 Cond., Twst., Strd., Shld
SRINX Reader Interface to Contact Inputs ( <i>supervised</i> )	1,000	22 AWG/2 Cond., Twst., Strd., Shld
SRINX Reader Interface to Contact Inputs ( <i>unsupervised</i> )	2,000	22 AWG/2 Cond., Twst., Strd., Shld
SRINX Reader Interface to Exit Button	2,000	22 AWG/2 Cond., Twst., Strd., Shld

Abbreviations: Cond. = Conductor; Strd.=Stranded; Shld.=Shielded; Twst. - Twisted