

AC-115 Wiring Specifications

RS485 Communications Bus

Twisted Pair, 22 Gage, shielded or unshielded.

Maximum total length 4000ft from MD-14 to the furthest controller.

(The distance between controllers is not important as long as the maximum total length from the MD-14 to the furthest controller does not exceed 4000ft)

Reader to Controller

Rosslare readers are already shielded and grounded internally they do not require external grounding. If readers with shielding that are not manufactured by Rosslare are used, the shield must be grounded internally or externally but not both. Rosslare recommends the cables listed in the table on the right.

Distance	Gage	5 Conductor	6 Conductor
200 ft. (61m)	22	Alpha 1295C	Alpha 1296C
300 ft. (91m)	20	Alpha 58126	Alpha 58126
500 ft. (153 m)	18	Alpha 58136	Alpha 58136

MD-14 to PC(RS232)

Twisted Pair, 22 Gage, shielded or unshielded.

Maximum distance 50ft from MD-14 to the PC.

Wiring Diagram

