



### Nexus systems cable specification and requirements

From	To	Cable	Max Distance	Comments
PC	RS232/485 Converter	Belden 8723 or Equiv.	15 m	2M Cable supplied with 104008
RS232/485 Converter	Nexus Controller	Belden 8723 or Equiv.	Max total network length 1200m	Daisy chain between controllers. Max 32 Nexus controllers/converter loop
Nexus Controller	Reader	22 AWG multi-core cable with overall screen	125m	Note that this spec refers only to Morley/HID readers. For all other reader types, consult reader manufacturer specs.
Nexus Controller	Monitored Inputs	20AWG	250m	4 or 8 clean contact monitors per Module.
Nexus Controller	Relay outputs	20AWG	200m	4 or 8 output relays. 4A @ 12v or 24v

### Sentinel cabling specifications and requirements

From	To	Cable	Max Distance	Comments
Sentinel controller	Sentinel controller	Belden 9841	1.2KM total network length	Maximum 16 controllers per network
Sentinel controller	Morley reader	22 AWG multi-core cable with overall screen	125M	Note that this spec refers only to Morley/HID readers. For all other reader types, consult reader manufacturer specs.
Sentinel controller	PAC reader	4 or 6 cores unscreened, multi-stranded	125M	
Sentinel master controller	PC	Belden 9841	11M	104010 3M link 104011 11M link Extended distances can be catered for, contact Morley

**Notes:**

The above details are intended as an installation aid and reflect the standard range specifications. This is not an exhaustive list. If you have non-standard application requirements or system aspects, contact Morley for technical assistance and advice.