



# RS485 Cable For AppBox System User's Guide





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#### 1.0 Introduction

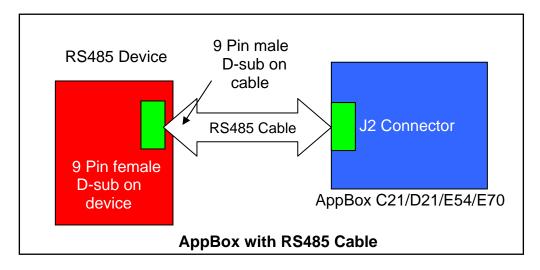
This document describes the RS485 cable (Part/SKU #: 703917-0001) used with the AppBox. This cable brings the RS485 signals off the AppBox C21/D21/E54/E70 J2 connector or J2 image connector on the Distribution Box to a device that has a RS485 interface.

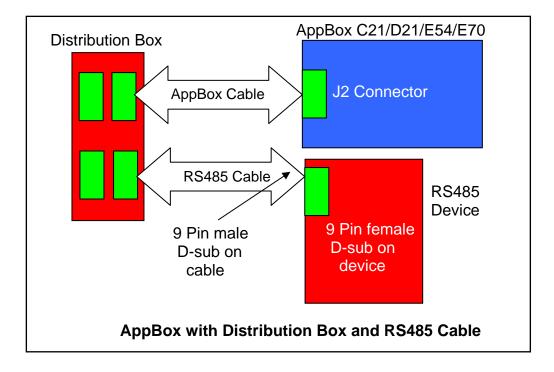
#### 1.1 RS485 Cable Features

This RS485 cable has the following features:

- Mates with AppBox J2 connector or Distribution Box
- Mates with RS485 device
- Length: 3 foot (36 in / 91 cm)

The two diagrams below show the use of the RS485 cable.







#### 1.2 RS485 Cable Product Contents

The following items are contained in the RS485 cable product (Part/SKU #: 703917-0001):

- RS485 cable in bag
- Product information card

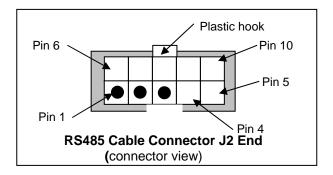
# 1.3 RS485 Cable Compatibility

The RS485 Cable is designed to work with the following products which can be ordered from Spectrum Digital or authorized resellers:

Accessory Description	Part/SKU Number
AppBox C21	703909-0001
AppBox D21	703910-0001
AppBox E54	703919-0001
AppBox E70	703911-0001

## 1.4 RS485 Cable AppBox / Distribution Box Connector

The RS485 cable end which plugs into the AppBox J2 connector or Distribution Box is a molded 10 pin (2 rows x 5 pin) connector. A view of this connector is shown below.



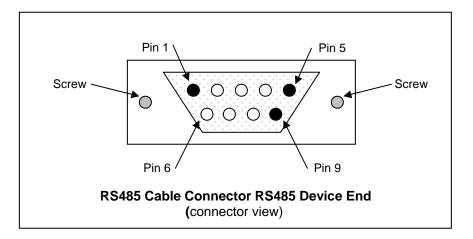
The following table shows the signals present on the RS485 cable at the AppBox J2 connector end

RS485 Cable J2 Connector End			
Pin number	Signal name		
1	RS485_A		
2	RS485_B		
3	DGND		
4	No connect		
5	No connect		
6	No Connect		
7	No connect		
8	No Connect		
9	No connect		
10	No connect		



## 1.5 RS485 Cable RS485 Device Connector

The RS485 cable end which plugs into a RS485 device is a female 9 pin D-sub connector. A view of this connector is shown below.



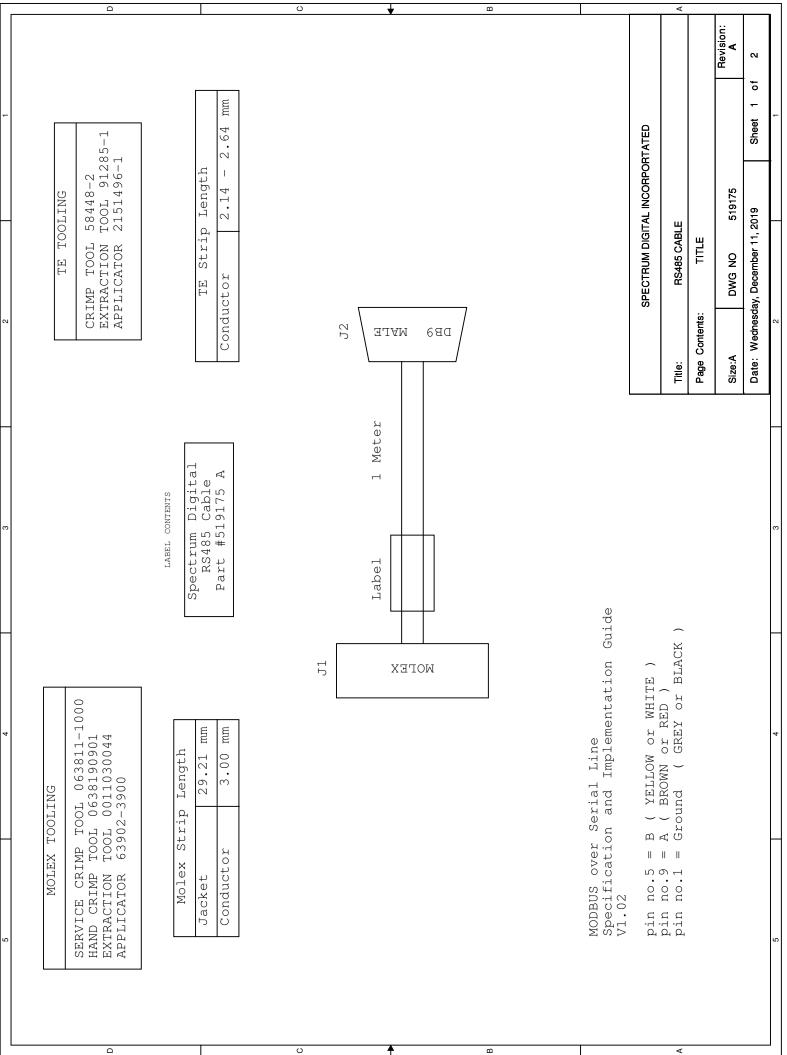
The following table shows the signals present on the RS485 cable at the RS485 Device end.

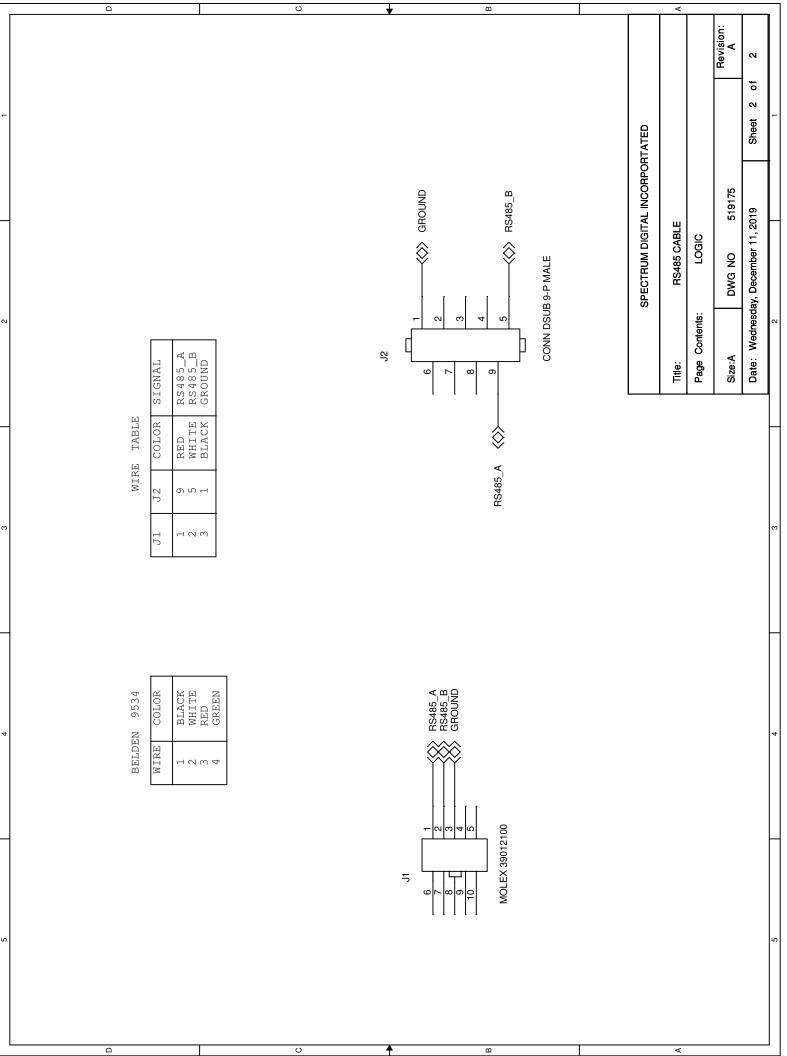
RS485 Cable Device End			
Pin number	Signal name		
1	DGND		
2	No Connect		
3	No connect		
4	No connect		
5	RS485_B		
6	No Connect		
7	No connect		
8	No Connect		
9	RS485_A		

## 1.6 RS485 Cable Schematics

The following pages contain the schematics for the RS485 cable.







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