

Bulletin No. 2023074

DATE: August 15, 2023
TO: Authorized ANSUL® Vehicle System Distributors
FROM: Product Management — Vehicle Systems
SUBJECT: Backward compatibility and retrofitting legacy CHECKFIRE 110 / 210 Connectors

Retrofitting Legacy (Red) Cable with New (Black) Connectors

With the launch of the new CHECKFIRE 110-D and 210-D systems, additional connectors may be needed to retrofit existing Legacy (Red) CHECKFIRE cables with new (Black) CHECKFIRE Cables. The following information provides guidance and instructions on making this transition.

- Refer to the *CHECKFIRE 210-D Detection and Actuation System Manual (Part No. A16381NWJ9)*, Section 5 – Installation and Programming, for detailed information.
- The internal wire insulation color is the same for each set of cables, making it easier to identify the correct wires.
- DT connectors can be used with circular connectors and cables when repairing existing systems. **The legacy CHECKFIRE 110 units will hold their Factory Mutual (FM) 5320 approval when using Johnson Controls supplied Connector Kits to make repairs.**
- Assemble a legacy cable with round connectors by attaching the new connector to the opposing end as needed. See an example in the illustration below.



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Main Telephone Number: +1-800-862-6785 or +1-715-735-7415

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One Stanton Street
Marinette, WI 54143-2542
www.ansul.com



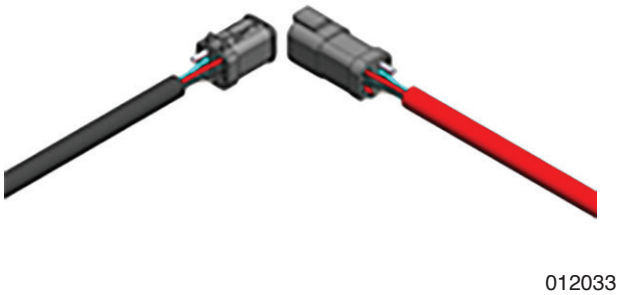
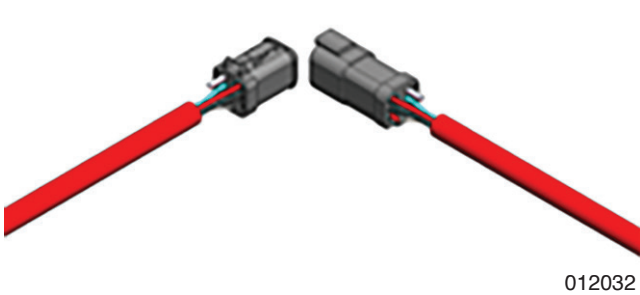


Legacy Display Cable Retrofit

- The legacy Display Circuit Cable with 18-2 and 22-2 printed on the outer jacket requires 22 AWG (American Wire Gauge) pins and sockets.
- Use Table 1 to identify the difference in cable gauge and select the appropriate pin gauge size to complete the connections.
- Order 22 AWG pins and sockets separately. See Part Numbers:
 - a. Part No. A163822YBY – 22 AWG Pins (50 pack)
 - b. Part No. A163822YC1 – 22 AWG Sockets (50 pack)

Table 1: Cable Pin Gauge Sizes

Pin No.	Internal Wire Color	Red Cable	Black Cable
1	RED	18 AWG	18 AWG
2	BLACK	18 AWG	18 AWG
3	DRAIN	20 AWG	20 AWG
4	WHITE	22 AWG	20 AWG
5	BLUE	22 AWG	20 AWG
6	Not Used	SEALING PLUG	
Note: Shrink tube is required on the drain wire to maintain proper IP rating at the connector			



Thank you for your continued support. For any questions about this bulletin, please contact Technical Services at avst@jci.com or the number listed below.