

Nevada State Railroad Museum - Car Audio Interconnect Wiring

(Technical Information) June 20, 2022

Interconnection parts:

JACK: Switchcraft 12B (Used on car ends and switch boxes in cars)

PLUG: Switchcraft 297 (Used on interconnecting cables and amplifier outputs)

Wire color code used:

Red	=	Tip	(Positive or Hot)
Black	=	Ring	(Negative or Cold)
Shield (if any)	=	Sleeve	(Ground)

Note: Some cars have White & Black pair. Then use the following:

White	=	Tip	(Positive or Hot)
Black	=	Ring	(Negative or Cold)
Shield (if any)	=	Sleeve	(Ground)

Note: Some cars have Red & White pair. Then use the following:

Red	=	Tip	(Positive or Hot)
White	=	Ring	(Negative or Cold)
Shield (if any)	=	Sleeve	(Ground)

Back of amplifier color code typically used:

Black	→	O	O	O	O	←	Red
		Com	4Ω	8Ω	25V	70V	

Wire Type and Size: (Shielded or Not) Pair 18AWG (minimum) used for 70v system

Wiring Diagram:

