

ABSTRACT

CABLE ASSEMBLY HAVING A GROUNDED CABLE HARNESS

A cable assembly comprises a cable harness comprising insulated wires (244), a shielding layer (224) that surrounds the insulated wires, and a protective jacket (226) that surrounds the shielding layer. The shielding layer (224) includes an exposed portion (258) that clears an end (260) of the protective jacket (226). An assembly housing (104) has an internal cavity (254) and a loading passage (136) that provides access to the internal cavity (254). The exposed portion (258) of the shielding layer (224) is positioned within the loading passage (136), and the insulated wires (244) extend through the internal cavity (254) and are terminated to corresponding electrical contacts. An adhesive layer (252) is coupled to the exposed portion (258) of the shielding layer (224) and is engaged with an interior surface (266) of the assembly housing (104) along the loading passage. The adhesive layer (252) comprises a conductive thermoplastic material that electrically couples the shielding layer (224) to the assembly housing (104).

Fig. 8