

D E S C R I P T I O NPRODUCT COVERED:

*USL, "Amplimite" D-subminiature type connectors, Series .050 (IDC); HD-20 ("action pin"); HD-20 (solder cup); HDE-20 (crimped IDC); HDF-20 (IDC); HDP-20 (snap-in crimp); 109 (crimp); HDP-20 (solder cup); HDP-22 (crimp); 90 (crimp), and "Amplimite" filtered connectors series. May employ two or three rows of contacts. Filtered "Amplimite" connectors series may employ up to 50 position contacts.

ENGINEERING CONSIDERATIONS:

The D-subminiature connectors covered in this Report are intended for indoor use only on the protected side of a primary telephone protector. The plastic insulator material employed in the male or female connector is C/R with a flame rating of UL 94V-0.

The connectors are back-end termination and employ either metal or plastic end hoods, up to 120 contacts per connector, and are male or female type. The difference between the Series numbers is shown in the following table.

<u>Wire Gauge Series</u>	<u>Description (Termination)</u>	<u>(No. AWG)</u>
.050	IDC, 20-120 contacts (M/F)	28
HD-20	"Action Pin", printed circuit board mount	20-28
HD-20	Solder cup	20-28
HDE-20	Crimped IDC	20-30
HDF-20	IDC	26-30
HDP-20	Solder cup, two rows of contacts	20-28
HDP-20	Snap-in crimp	20-28
HDP-22	Crimp, three rows of contacts	22-28
109	Crimp - Size 8 contacts	8-18
109	Crimp - RG/U coax cable	Coax
90	Crimp, three rows of contacts	22-28

Amplimite filtered connectors are not intended for use for across-the-line filtering. These connectors have not been evaluated as EMI or RFI filters and their suitability should be judged in the end-use application.

* USL indicates investigation to UL1863, Third Ed. Dated May 15, 2000.

CNL indicates investigation to Canadian Standard CAN/CSA, C22.2 NO. 182.4-M90.