

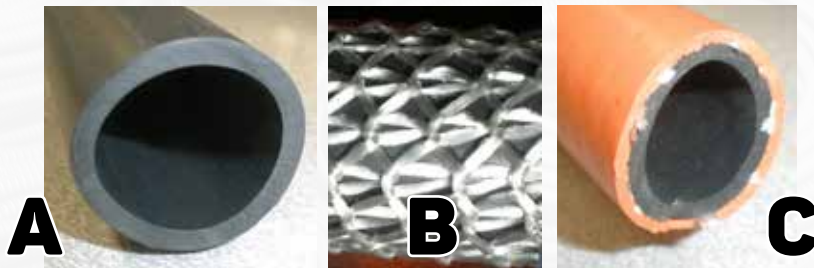
WHITE PAPER: What are the differences between liquid tight flexible non-metallic conduit (LFNC) Types A and B?

The National Electrical Code (NEC) 2023 describes liquid tight non-metallic conduit (LFNC) as raceway of circular cross section:

LFNC-A (TYPE A)

Type A has a smooth, seamless inner core and cover bonded together and having one or more reinforcement layers between the core and covers, designated as LFNC-A.

ANAMET Electrical, Inc. LFNC-A conduit, Type CNP, has a smooth inner wall PVC core (A) covered with a nylon fiber braid (B) bonded to a smooth, oil resistant PVC cover (C).



Type A fittings must be used, due to the thick wall of the conduit. Type A fittings from ANAMET have a bell flange (D) to hold the conduit jacket, while screw threads of the metal ferrule (E) grip inside the conduit core.



Only Type A fittings provide a liquid tight connection on Type A conduit. Do not use Type B fittings on Type A conduit.

LFNC-B (TYPE B)

Type B has a smooth inner surface with integral reinforcement within the raceway wall, designated as LFNC-B.

ANAMET Electrical, Inc. Type NMUA conduit has smooth inner and outer PVC walls (F) with a co-extruded reinforcing PVC coil (G).



Type B fittings must be used on Type NMUA, due to the reinforcing coil. The reinforcing coil constrains flexibility of the circular cross section, while the conduit is flexible along its length. The center tube (H) of the Type B fitting goes in the core and a gland nut (I) tightens the grip of concentric flanges (J) on the outer wall.

Only Type B fittings provide a liquid tight connection on Type B conduit. Do not use Type A fittings on Type B conduit.



ANAMET Type A Fittings



ANAMET Type B Fittings



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