

FEBRUARY 27, 1981

TYPE "MLMY" MULTIPLE SHEATH CABLES

(Card No. 1)

Each code is a DEPIC (waterproof) cable bisected by a transverse screen to segregate pairs providing opposite directions of T-carrier transmission with the following characteristics:

Conductors: No. 24 AWG copper.

Insulation: Dual expanded high density polyethylene (an inner layer of white foam polyethylene and an outer skin of colored solid polyethylene). Core is filled with a waterproofing compound.

Sheath: Bonded-ASP (aluminum, steel, and polyethylene jacket). A flooding compound fills spaces between the core wrap and the aluminum and between the aluminum and the steel. The flooding and bonding resist water flow in sheath interfaces and corrosion of the metal components of the sheath. The bonding also controls jacket slippage and pushback during installation.

Capacitance: Average ac capacitance is 60 nF/mile of cable at 900 Hz or 1000 Hz at 60°F. Maximum average is 63 nF/mile.

Conductor DC Resistance: Approximately 274 OHMS per loop mile at 68°F.

Dielectric Strength: Capable of withstanding a dielectric test of not less than 3000 Vdc between conductors and 10,000 Vdc between conductors and sheath.

Attenuation: Approximately 1.80 dB/1000 feet at 96 kHz at 75°F.

Initial use: Designed for buried use in non-pressurized Inter City and Outstate Trunk (ICOT)* T-carrier systems.

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