

FEBRUARY 28, 1983

TYPE "MFMW" MULTIPLE SHEATH CABLES

(Card No. 1)

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).

Filling compound: The core is filled with an improved water-proofing compound which:

Retains reliability of waterproof system.

Eliminates the need for solvent-cleaning for encapsulated splices.

Improves low-temperature handling.

Reduces inconvenience and soiling when handling cable.

Screen: Bisected by a transverse screen to segregate pairs providing opposite directions of T-carrier transmission.

Sheath: ASP (aluminum, steel, and polyethylene jacket). Core wrap, aluminum, and steel are coated with a flooding compound to resist corrosion and to block water leakage in the sheath interfaces.

Electrical Characteristics:

DC Resistance at 68°F	274 OHMS/loop mile
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Capacitance at 60°F (900 or 1000 Hz)	
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Average	60 nF/mile
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Maximum average	63 nF/mile
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Dielectric Strength (minimum)	
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Between conductors	3,000 volts dc
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Core-to-sheath	10,000 volts dc
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Attenuation at 772 kHz	3.9 dB/kilofoot
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at 1.544 MHz	5.5 dB/kilofoot
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Initial use: Designed for buried use in intercity and outstate trunk T-carrier systems. The low nominal capacitance of 60 nF/mile allows repeater spacings of approximately 80 kilofeet for T1 and 88 kilofeet for T1C carrier.