

# Data Vulnerabilities

Copper is susceptible to electromagnetic interference (EMI), which can distort data transmission. Sources can include machinery, radio frequency devices, or even other network cables.

According to the Federal Communications Commission, EMI can cause data transmission errors that affect performance.

Copper cables are prone to damage from water, weather, and other physical forces.

This can leave the network vulnerable to outages and security breaches.

Copper cables, are vulnerable to physical tampering, as they can be easily accessed and spliced into. This leaves them open to data interception and manipulation.

