

PERFORMANCE + LOW DIELECTRIC CONSTANT

AUTO DATA CABLE MANUFACTURER

COAXIAL SIGNAL CABLE
JACKET

AVIENT SOLUTION

Maxxam™ Polyolefin Formulations

WHY AVIENT?

- Provided excellent performance with low dielectric constant to make the jacket layer of signal cables have low capacitance loss
- Offered a solution by combining physical and chemical foaming products in the foaming layer to reduce the dielectric constant further
- Maintained exceptional mechanical properties under high temperatures

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KEY REQUIREMENTS

- Provide good chemical resistance like that of machine oil
- Pass 3,000 hours aging test of finish goods
- Have low dielectric property - characteristic impedance of transmission line: 100Ω , capacitance in water: around 102.8pf/m