



Introducing
200 °C ElectroLoss
FilterLine Wire and Cable



200°C ElectroLoss FilterLine Wire and Cable

KEY FEATURES

Fail-safe EMI protection above 100 MHz, as an alternative to discrete filters and filter pin connectors

Cross-linked “non-melting” high temperature insulation system

200°C rated wires and cables

Low free-fluoride ion evolution, resulting in low corrosive characteristics

Lightweight cable constructions

200°C temperature rating allows for downsizing wire gauges based on 5088-1 de-rating curves

Uses standard mil spec 39029 contacts

DESCRIPTION

An EMI filtering 600 Vrms wire that combines fail safe high frequency EMI protection, 100 MHz and above, of our existing ElectroLoss FilterLine with an enhanced temperature rating of 200°C.

Additionally, the insulating and jacket materials have been formulated for low free-fluoride ion evolution, which reduces fluoride outgassing, thereby eliminating the potential for corrosion typically associated with other 200°C, non-EMI filtering products today.

APPLICATION

Rotary and Fixed Wing Aircraft

Sensitive Electronic Equipment

Weapons Pylons

Missiles

STANDARDS & SPECS

SPEC 55F

Electrical Performance of AS85485

PHYSICAL OR OTHER PROPERTIES

200 °C rated

<150 ppm fluoride ion evolution

Resistant to all typical aerospace fluids:

- Hydrocarbons
- Fuels and Lubricants
- Alcohols
- Cleaning Fluids
- Glycols
- Ketones
- Synthetic Fuels and Lubricants

MECHANICAL

Jacket optimized for flex rigors cables subjected to during harness installation.

MATERIALS

Cross-linked modified high temperature fluoropolymers for all insulation layers.
Flexible modified conductive ETFE jacket.

ELECTRICAL

600V

Fail-safe high frequency EMI protection above 100 MHz

Insertion loss is directly proportional to wire length

Conductive jacket eliminates electrical pathways, sneak paths, from entering protected electronics through cable shields between adjacent cables.

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