



## Specification SCHAFFLERFIRE FA-soft OM

This igniter is especially designed to meet the demands in firework applications by the well balanced properties of soft pressure increase combined with a continuous spark flow for reliable ignition of single shots and all kinds of pyrotechnic cascades. Especially safety relevant properties like ESD behaviour, abrasion resistance of the wire, highspeed video analysis and other demands given by the EN 16265 are continuously monitored.

### Fusehead Type “FA”

<b>Bridge resistance:</b>	0,8 – 0,9 $\Omega$
<b>No-fire current (10s):</b>	$\leq$ 0,25 A
<b>All-fire current (10 ms):</b>	$\geq$ 1,35 A

**Overmolding:** The overmolding material is based on Polyamide. Long term stability is 125°C, and shows flammability of VO (UL-94). This leads to a safe post-ignition behaviour. Further benefits are excellent ESD properties, e.g.:

SCHAFFLERFIRE FA Type OM; 1,5m Duplex wire: 20kV/ 500 $\Omega$  / 500 pF

**Wires:** To ensure maximum quality and safety, oxidation resistant tinned copper wires (60m $\Omega$ /m) are used. Wire puppets can be offered as single wires and duplex wires. Standard lengths and colours see in the general broschuere “advanced pyrotechnical materials”.

For the duplex wire night glowing coating “white phosphor” or “neon phosphor” can be offered.

**Ballistic data:** Peak pressure (mean, 10 samples): 5- 10 bar@3,5 ccm

### Temperature data:

<b>Use temperature range:</b>	-35°C to +85°C
<b>Storage temperature:</b>	-10°C to +60°C

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