



to  
**GMS**  
Nadrazni 491  
56301 Lanskroun CZ

**TECHNICAL CERTIFICATE**

Hose type	<b>CHEM THUNDERFLEX</b>
Code	1440144
Weight	kg 0,8/m
Application:	Multi purpose chemical and petroleum discharge hose, antistatic, food quality tube in UHMWPE
Compound	tube cover
Elastomer	UHMWPE synthetic rubber
Construction	black and white speckled , food quality , antistatic tube High strength synthetic cord plus steel helix wire Yellow smooth synthetic rubber cover (wrapped finish)
Electrical characteristics:	$1 \times 10^3 \Omega \leq R \leq 1 \times 10^6 \Omega$ per length
Working pressure	16 bar
Burst pressure	64 bar
Temperature range:	-30°C to + 100°C (continuous service).

BESIDES WE HAVE FOUND THE FOLLOWING ADDITIONAL ELECTRICAL VALUES UPON YOUR REQUEST.  
VALUES HAVE TO BE CONSIDERED VALID FOR THIS SPECIFIC PIECE AND NOT ABSOLUTE :

Segments according your drawing :

R	A-B $\approx 1,5 \times 10^{10}$	OHM
R	A-C $\approx 4 \times 10^{10}$	OHM
R	A-D $\approx 4 \times 10^{10}$	OHM
R	B-D $\approx 4,5 \times 10^{10}$	OHM
R	C-D $\approx 2 \times 10^4$	OHM
R	B-C $\approx 6 \times 10^9$	OHM

Cervarese S. Croce, 11th March, 2014



**IVG Colbachini SpA**  
Ing. Francesco Fiorello  
Product Manager



**Conformity Declaration** (in accordance to ISO/IEC 17050-1)

N°: 63/2014      GMS Velkoobchod s.r.o.

Issued by: IVG COLBACHINI spa

Address: via Fossona, 132 – 35030 Cervarese S. Croce (PADOVA)

Declaration Object: **Hoses Type:**  
**CHEM THUNDERFLEX**

Conductive hose for chemicals, food, petroleum, UPE tube

Specifications: EN 12115:11. Tube FDA tit.21 item 177.1520, USDA, BfR cat. III. Tested acc. to EN 13463-1/EN 60079. Phthalates free.

The above hose is in accordance to the requirements as per the following document:

<i>Documents n°</i>	<i>Title</i>	<i>Edition/Issue Date</i>
IVG Online Catalogue	Chem family/Thunderflex	19/02/2014

**Additional Information:**

Inner tube certified by CERISIE according to the test report:

TR n° 116-B/2013 (FDA tit.21 item 177.1520 for contact with food);

TR n° 116-A/2011 (Recommendation III of BfR for the use in contact with food);

TR n° 230/2013 (UE Regulation N° 10/2011 for the use in contact with alcoholic until 96%).

Cervarese S. Croce, **20/02/2014**

*(Place and Issue date)*

Francesco Fiorello – Product Manager

*(Name and Position)*

*(Signature or equivalent mark authorized by the issuing)*

