

## GSIG / GSI

FLEXIBLE, SELF-EXTINGUISHING  
SPIRAL SHEATHS



### PRODUCT TYPE:

Flexible foldable spiral sheaths for plastic cables

### APPLICATIONS:

outdoor installation and on-board machine

### DIMENSIONAL DATA GSIG / GSI SERIES:

Name	Nominal diameter	Outer diameter (mm)	Internal diameter (mm)	Note
GSIG 8	8	11.5	8 to 0.5	Color: Grey
GSIG 10	10	14.7	10-0.5	Color: Grey
GSIG 12	12	16.4	12-0.5	Color: Grey
GSIG 14	14	18.9	14-0.5	Color: Grey
GSIG 16	16	20.7	16-0.5	Color: Grey
GSIG 20	20	24.7	20-0.5	Color: Grey
GSIG 22	22	27.7	22-0.5	Color: Grey
GSIG 25	25	30.6	25-0.5	Color: Grey
GSIG 28	28	33.5	28-1	Color: Grey
GSIG 32	32	38	32-1	Color: Grey
GSIG 35	35	41	35-1	Color: Grey
GSIG 40	40	46.4	40-1	Color: Grey
GSIG 50	50	57	50-1	Color: Grey
GSI 8	8	11.5	8 to 0.5	black colour
GSI 10	10	14.7	10-0.5	black colour
GSI 12	12	16.4	12-0.5	black colour
GSI 14	14	18.9	14-0.5	black colour
GSI 16	16	20.7	16-0.5	black colour
GSI 20	20	24.7	20-0.5	black colour
GSI 22	22	27.7	22-0.5	black colour
GSI 25	25	30.6	25-0.5	black colour
GSI 28	28	33.5	28-1	black colour
GSI 32	32	38	32-1	black colour
GSI 35	35	41	35-1	black colour
GSI 40	40	46.4	40-1	black colour
GSI 50	50	57	50-1	black colour



**ACCESSORIES FOR GSIG /  
GSI FLEXIBLE SPIRAL  
SHEATHS:**

Name	Description	Degree of protection
RAMG / RAMA	Sheath - box fitting, metric thread	IP64
RAGG / RAGA	Sheath - box fitting, GAS thread	IP64
RAPG / RAPA	Sheath fitting - box, PG thread	IP64
RPM / RPMN	Sheath straight swivel fitting - box, metric thread	IP65
RPS / services Prices	Sheath straight swivel fitting - box, GAS thread	IP65
RPG / RPGN	Sheath straight swivel connection - box, PG thread	IP65
RGR	Sheath swivel fitting - box, GAS thread	IP65
RTGN	Rigid pipe connection - sheath, equal diameter	IP67
GSTON	Rigid pipe connection - sheath	IP65

**COLOR:** light gray RAL 7035, black

**MATERIALS:** Self-extinguishing rigid and plasticized PVC, self-extinguishing polypropylene (IP65 swivels), Polypropylene (RTGN)

**DECLARATION OF CONFORMITY:**

GSIG / GSI series products and related accessories (excluding the following products: STC scope of Directive 2014/35 / EU "Low Voltage" and comply with the essential requirements set by it. TAG - MPTN) fall within the

Compliance with the directive is indicated by affixing the mark  and of all symbols or markings provided on the product, on the packaging, on the assembly instructions or on the catalog and by fully complying with the Product Regulations.

**RULES OF REFERENCE:**

- EN 61386-1: "Pipe systems and accessories for electrical installations Part 1: general requirements"
- EN 61386-23: "Pipe systems and accessories for electrical installations Part 23: special requirements for flexible pipe systems and accessories"
- UL 1696: "Nonmetallic mechanical protection tubing"

Degrees of protection - The combined use of sheaths-accessories allows to create a closed system with the following characteristics:

- IP 64 with fixed sheath fittings
- IP 65 with swivel sheath fittings
- IP 67 RTGN tube-sheath fitting

**RESISTANCE**

**CRUSHING:** class 2 (above 320 newtons over 5 cm at +23 +/- 2 ° C)

**IMPACT RESISTANCE:** class 3 (2 kg from 10 cm to + 5 ° C)

**MINIMUM USE TEMPERATURE:**

class 1 (+5 ° C)



**MAXIMUM TEMPERATURE OF USE:** class 1 (+ 60 ° C)

**ELECTRIC INSULATION RESISTANCE:** greater than 100 megohms per 500 V of operation for 1 min

**DIELECTRIC STRENGTH:** above 2000 V - 50 Hz for 15 min

**RESISTANCE TO THE PROPAGATION OF THE FLAME ACCORDING TO EN 60695-11-2:** flame retardant  
(1KW PREMIXED FLAME)

**RESISTANCE GLAND WIRE TEST EN 60695-2-11:** Test passed at 850 ° C (Glow Wire Test EN 60695-2-11)

**SELF-EXTINGUISHING OF MATERIAL (PVC) ACCORDING TO THE UL94 STANDARD:** V0

**FLEXIBILITY:** passes the test of n. 5,000 push-ups with a total swing angle of 180 degrees at a temperature of +5 ° C and + 60 ° C.

**RADIUS OF CURVATURE:** twice the diameter

RESISTANCE TO CHEMICAL AGENTS:	Saline solution	acid		bases		solvents				Mineral oil
		concentrated	diluted	concentrated	diluted	hexane	benzol	acetone	ethyl alcohol	
	Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Not resistant	Not resistant	Resistant	Resistant

**RESISTANCE TO UV RAYS:** Yes

**BRAND NAMES AND CERTIFICATIONS:** •



**COMPLIANCE WITH DIRECTIVE 2011/65 / CE (ROHS):** Yes

