

A close-up photograph of an industrial robot arm. The main body of the arm is a bright orange color. It is surrounded by several black, flexible, corrugated cables that are secured with metal clamps. The background is a blurred industrial setting with blue and white elements. The overall image has a professional, technical feel.

TAKE
PLAST

PRODUCT CATALOG

Engineering Protection
for a Connected World

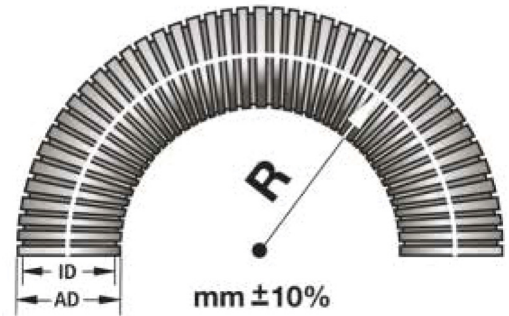


Take Plast combines the high standards shaped by German engineering principles and Japanese quality discipline with the production power of Turkey and the fast delivery advantage provided by its geopolitical location.

Turkey's strategic position offers short transit times, low logistics costs, and rapid shipment opportunities to Europe, the Middle East, Africa, and Central Asia. This advantage makes our engineering quality competitive and accessible on a global scale.

Through the Globally Local principle implemented by our international offices, we provide both local communication and global supply strength to our customers. This structure enables fast access to the right products, instant technical support, and solution-oriented service in the field.

Take Plast – Global Standards, Local Presence, Fast Solutions.



TECHNICAL DETAIL

PA (Polyamide) Spiral Conduit

Temperature range:

-40°C to +120°C, up to +150°C for short periods Approx. 400 N compression strength per 100 mm

MATERIAL DETAILS

- Material: Polyamide (PA) 6
- Flammability according to UL 94 (V2)
- Color: Black (RAL 9011), Grey (RAL 7031)

FEATURES

- Halogen-free
- Cadmium-free
- UV-resistant structure designed for stable performance in outdoor applications.
- High impact resistance and optimized flexibility under continuous mechanical load.
- Maintains dimensional integrity at small bending radii; prevents cracking.
- Manufactured from fully recyclable PA6 using controlled and sustainable processes.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS 2011/65/EU compliant.
- Fully compliant with REACH (EC 1907/2006).

CHEMICAL RESISTANCE

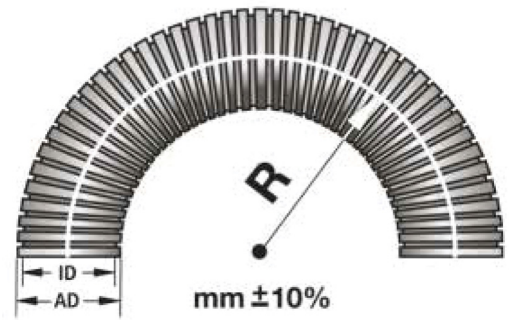
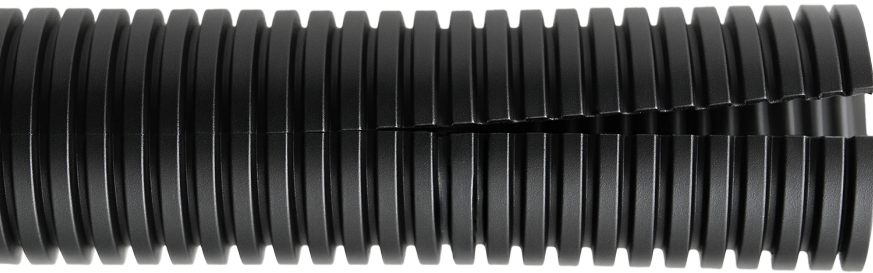
- High resistance to oils, fuels, acids, and common industrial solvents.
- Ensures long-term reliability in chemically demanding environments.

Certification/Standards:

(Refer to tables for certifications details)



Code Black	Code Grey	Inner Diameter (mm)	Outer Diameter (mm)	Packaging (m)	Unit Price (Euro)
SEPA-7S	SEPA-7G	6,5	10	100 mt	€ 0,150
SEPA-8,5S	SEPA-8,5G	8,5	12	100 mt	€ 0,163
SEPA-9S	SEPA-9G	10	13	100 mt	€ 0,200
SEPA-11S	SEPA-11G	12	15,8	50 mt	€ 0,263
SEPA-13,5S	SEPA-13,5G	14,2	18,5	50 mt	€ 0,313
SEPA-16S	SEPA-16G	16,5	21,2	50 mt	€ 0,400
SEPA-21S	SEPA-21G	23,5	28,4	50 mt	€ 0,563
SEPA-26S	SEPA-26G	26	34	50 mt	€ 0,655
SEPA-29S	SEPA-29G	29	34,5	25 mt	€ 0,710
SEPA-36S	SEPA-36G	36	42,5	25 mt	€ 1,005
SEPA-48S	SEPA-48G	48	54,5	25 mt	€ 1,413



TECHNICAL DETAIL

PA (Polyamide) Spiral Conduit

Temperature range:

-40 °C to +120 °C, up to +150 °C for short periods
Approx. 400 N compression strength per 100 mm

MATERIAL DETAILS

- Material: Polyamide (PA) 6
- Flammability according to UL 94 (V2)
- Color: Black (RAL 9011), Grey (RAL 7031)

FEATURES

- Halogen-free
- Cadmium-free
- Slit design allows rapid cable integration and maintenance access.
- Stable thermal performance with high resistance to mechanical stress.
- Durable against abrasion, continuous friction, and vibration.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS and REACH compliant
- UV-resistant structure suitable for external installations

CHEMICAL RESISTANCE

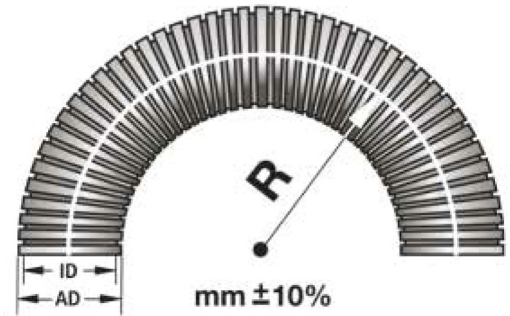
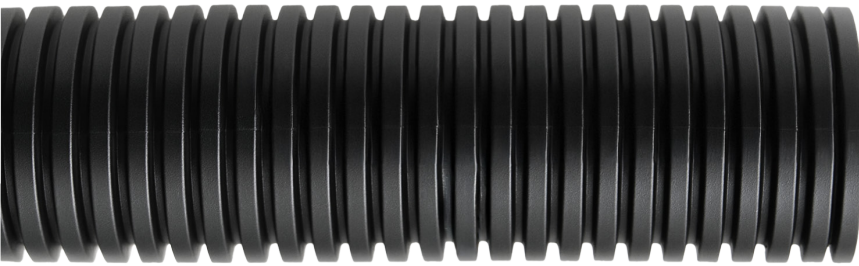
- Resistant to oils, greases, fuels, and industrial cleaning solvents

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Inner Diameter (mm)	Outer Diameter (mm)	Packaging (m)	Unit Price (Euro)
SEPAY-7S	SEPAY-7G	6,5	10	100 mt	€ 0,188
SEPAY-8,5S	SEPAY-8,5G	8,5	12	100 mt	€ 0,203
SEPAY-9S	SEPAY-9G	10	13	100 mt	€ 0,250
SEPAY-11S	SEPAY-11G	12	15,8	50 mt	€ 0,325
SEPAY-13,5S	SEPAY-13,5G	14,2	18,5	50 mt	€ 0,400
SEPAY-16S	SEPAY-16G	16,5	21,2	50 mt	€ 0,500
SEPAY-21S	SEPAY-21G	23,5	28,4	50 mt	€ 0,700
SEPAY-26S	SEPAY-26G	26	34	50 mt	€ 0,800
SEPAY-29S	SEPAY-29G	29	34,5	25 mt	€ 0,875
SEPAY-36S	SEPAY-36G	36	42,5	25 mt	€ 1,250
SEPAY-48S	SEPAY-48G	48	54,5	25 mt	€ 1,750



TECHNICAL DETAIL

Polyethylene Spiral Conduit

Temperature range:

-35 °C to +95 °C

Compression strength: 350 N per 100 mm

MATERIAL DETAILS

- Material: Polyethylene
- Flammability according to UL 94 (HB)

FEATURES

- Halogen-free
- Cadmium-free
- Lightweight PP structure provides a cost-efficient protection solution
- Excellent dielectric strength supports electrical insulation requirements
- Flexible geometry ensures easy routing and rapid shape recovery

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS / REACH compliant.
- Halogen-free and cadmium-free construction

CHEMICAL RESISTANCE

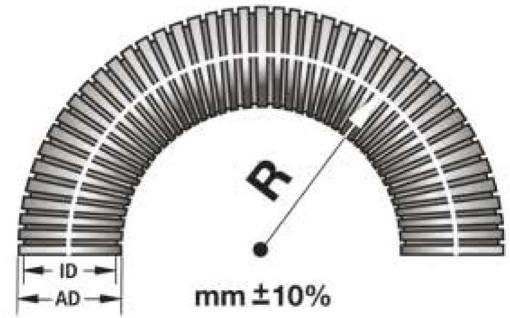
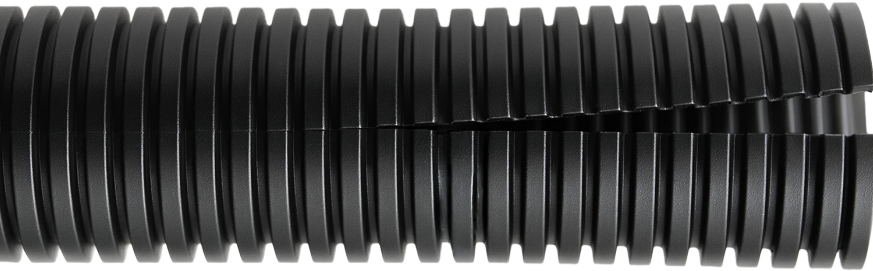
- Resistant to acids, bases, and a wide range of industrial chemicals

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Inner Diameter (mm)	Outer Diameter (mm)	Packaging (m)	Unit Price (Euro)
SEPP-7S	SEPP-7G	6,5	10	100 mt	€ 0,088
SEPP-8,5S	SEPP-8,5G	8,5	12	100 mt	€ 0,105
SEPP-9S	SEPP-9G	10	13	100 mt	€ 0,120
SEPP-11S	SEPP-11G	12	15,8	50 mt	€ 0,130
SEPP-13,5S	SEPP-13,5G	14,2	18,5	50 mt	€ 0,175
SEPP-16S	SEPP-16G	16,5	21,2	50 mt	€ 0,193
SEPP-21S	SEPP-21G	23,5	28,4	50 mt	€ 0,275
SEPP-26S	SEPP-26G	26	34	50 mt	€ 0,300
SEPP-29S	SEPP-29G	29	34,5	25 mt	€ 0,330
SEPP-36S	SEPP-36G	36	42,5	25 mt	€ 0,433
SEPP-48S	SEPP-48G	48	54,5	25 mt	€ 0,710



TECHNICAL DETAIL

Polyethylene Spiral Conduit

Temperature range:

-35 °C to +95 °C

Compression strength: 350 N per 100 mm

MATERIAL DETAILS

- Material: Polyethylene
- Flammability according to UL 94 (HB)

FEATURES

- Halogen-free
- Cadmium-free
- Slit profile enables quick installation and service operations.
- High resistance to chemical exposure and medium mechanical loads.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

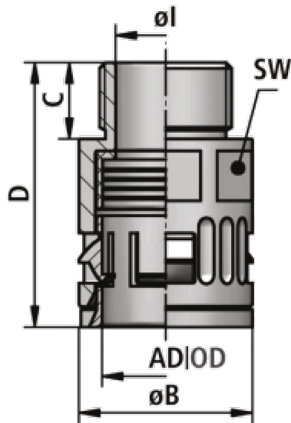
- RoHS / REACH compliant.
- UV-resistant for outdoor system integration.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Inner Diameter (mm)	Outer Diameter (mm)	Packaging (m)	Unit Price (Euro)
SEPPY-7S	SEPPY-7G	6,5	10	100 mt	€ 0,108
SEPPY-8,5S	SEPPY-8,5G	8,5	12	100 mt	€ 0,131
SEPPY-9S	SEPPY-9G	10	13	100 mt	€ 0,150
SEPPY-11S	SEPPY-11G	12	15,8	50 mt	€ 0,163
SEPPY-13,5S	SEPPY-13,5G	14,2	18,5	50 mt	€ 0,219
SEPPY-16S	SEPPY-16G	16,5	21,2	50 mt	€ 0,241
SEPPY-21S	SEPPY-21G	23,5	28,4	50 mt	€ 0,344
SEPPY-26S	SEPPY-26G	26	34	50 mt	€ 0,375
SEPPY-29S	SEPPY-29G	29	34,5	25 mt	€ 0,413
SEPPY-36S	SEPPY-36G	36	42,5	25 mt	€ 0,540
SEPPY-48S	SEPPY-48G	48	54,5	25 mt	€ 0,888



TECHNICAL DETAIL

Temperature Range:

-40°C ila +120°C

Material:

PA Plastics

IP Rating [according to EN 60529]:

IP 68 | IP 69K

FEATURES

- Resistant to oil and gasoline
- Highly resistant to acids and solvents
- Free of silicone, cadmium, and halogens
- Robust locking mechanism for secure engagement with spiral conduits.
- Vibration-proof design maintains firm positioning during operation. IP 68 / IP 69K protection ensures sealing reliability in harsh environments.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS / REACH compliant.
- UV-stabilized PA6 ensures long-term material stability.

CHEMICAL RESISTANCE

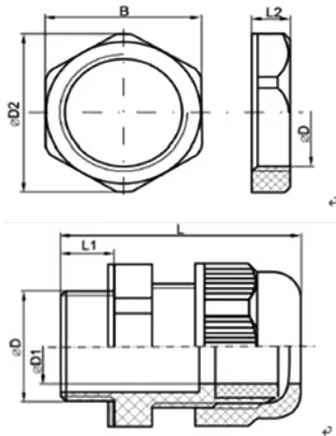
- High chemical stability against oils, fuels, light solvents, and acids.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Spiral Code	Spiral Size (mm)	Box Quantity	Unit Price (Euro)
SERS10-PG7	SERG10-PG7	TAPA 7	6,5 x 10	150	€ 0,150
SERS13-PG9	SERG13-PG9	TAPA 9	10 x 13	100	€ 0,198
SERS15-PG11	SERG15-PG11	TAPA 11	12 x 15,8	70	€ 0,234
SERS18-PG13,5	SERG18-PG13,5	TAPA 13,5	14,2 x 18,4	50	€ 0,270
SERS21-PG16	SERG21-PG16	TAPA 16	16,5 x 21,2	40	€ 0,342
SERS28-PG21	SERG28-PG21	TAPA 21	23,5 x 28,4	20	€ 0,552
SERS34-PG29	SERG34-PG29	TAPA 29	29 x 34,5	15	€ 0,738
SERS42-PG36	SERG42-PG36	TAPA 36	36 x 42,5	12	€ 1,092
SERS54-PG48	SERG54-PG48	TAPA 48	48 x 54,5	8	€ 1,326



TECHNICAL DETAIL

Temperature Range:

-40°C ila +120°C

Material:

PA Plastics

IP Rating [according to EN 60529]:

IP 68 | IP 69K

FEATURES

- Resistant to oil and gasoline
- Highly resistant to acids and solvents
- Free of silicone, cadmium, and halogens
- High clamping force ensures secure cable positioning and pull-out resistance.
- Sealed construction offers durable protection in high-moisture or corrosive environments.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- Fully compliant with RoHS and REACH.
- Manufactured from UV-resistant PA6.

CHEMICAL RESISTANCE

- Resistant to fuels, industrial oils, solvents, and saline environments.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Length	Mounting Diameter (mm)	Box Quantity	Unit Price (Euro)
SEPG-7S	SEPG-7G	PG-7	7	450	€ 0,078
SEPG-9S	SEPG-9G	PG-9	8	300	€ 0,090
SEPG-11S	SEPG-11G	PG-11	10	200	€ 0,108
SEPG-13,5S	SEPG-13,5G	PG-13,5	12	175	€ 0,126
SEPG-16S	SEPG-16G	PG-16	14	125	€ 0,156
SEPG-21S	SEPG-21G	PG-21	18	75	€ 0,252
SEPG-29S	SEPG-29G	PG-29	25	40	€ 0,414
SEPG-36S	SEPG-36G	PG-36	32	20	€ 0,852
SEPG-42S	SEPG-42G	PG-42	38	15	€ 1,110
SEPG-48S	SEPG-48G	PG-48	60	10	€ 1,278



TECHNICAL DETAIL

Temperature Range:

-20 °C to +100 °C
-30 °C to +150 °C (Short-term)

Hexagonal Lock Nut:

Polyamide PA6 V2 + 30% GF

Connection Thread:

Metric (EN 60423) / PG (DIN 40430)

FEATURES

- For tightening cable glands
- UV resistance
- Halogen-free
- 30% glass-fiber reinforced PA6 provides elevated mechanical strength.
- Retains dimensional accuracy under heat and continuous vibration.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS / REACH compliant.
- UV-resistant design for indoor and outdoor installations.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Length	Mounting Diameter (mm)	Box Quantity	Unit Price (Euro)
SAR-SS1	SAR-SG1	PG-7	19	100	€ 0,020
SAR-SS2	SAR-SG2	PG-9	22	100	€ 0,020
SAR-SS3	SAR-SG3	PG-11	24	100	€ 0,020
SAR-SS4	SAR-SG4	PG-13,5	27	100	€ 0,026
SAR-SS5	SAR-SG5	PG-16	30	100	€ 0,028
SAR-SS6	SAR-SG6	PG-21	36	50	€ 0,043
SAR-SS7	SAR-SG7	PG-29	46	50	€ 0,078
SAR-SS8	SAR-SG8	PG-36	60	50	€ 0,126
SAR-SS9	SAR-SG9	PG-48	70	50	€ 0,228



TECHNICAL DETAIL

Temperature Range:

-40 °C +120 °C

Material:

PA Plastics

IP Rating [according to EN 60529]:

IP 68 | IP 69K

FEATURES

- Resistant to oil and gasoline
- Highly resistant to acids and solvents
- Free of silicone, cadmium, and halogens
- High clamping stability for secure conduit and cable fixation.
- Covered design improves retention force and operational safety.
- Engineered to withstand vibration, impact, and mechanical load cycles.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS / REACH compliant.
- UV-stabilized PA6 material for extended outdoor durability.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Spiral Size (mm)	Box Quantity	Unit Price (Euro)
SES-PG7	SEG-PG7	6,5 x 10	50	€ 0,162
SES-PG9	SEG-PG9	10 x 13	50	€ 0,186
SES-PG11	SEG-PG11	12 x 15,8	50	€ 0,192
SES-PG13,5	SEG-PG13,5	14,2 x 18,4	50	€ 0,204
SES-PG16	SEG-PG16	16,5 x 21,2	50	€ 0,234
SES-PG21	SEG-PG21	23,5 x 28,4	25	€ 0,276
SES-PG29	SEG-PG29	29 x 34,5	25	€ 0,444
SES-PG36	SEG-PG36	36 x 42,5	25	€ 0,582
SES-PG48	SEG-PG48	48 x 54,5	10	€ 0,630



TECHNICAL DETAIL

Temperature Range:

-40 °C +120 °C

Material:

PA Plastics

IP Rating [according to EN 60529]:

IP 68 | IP 69K

FEATURES

- Resistant to oil and gasoline
- Highly resistant to acids and solvents
- Free of silicone, cadmium, and halogens
- Provides secure sealing for unused entries with high IP protection class.
- High thermal and impact resistance for demanding installation conditions.
- Maintains sealing integrity over long operating periods.

APPLICATION AREAS

- Machinery and plant construction
- Robotics
- Automation technology
- Vehicle construction and shipbuilding
- Railway technology
- Automotive
- Control cabinet construction
- Conduit for medium to heavy-duty applications

COMPLIANCE / STANDARDS

- RoHS / REACH compliant.
- UV-resistant structure.

Certification/Standarts:

(Refer to tables for certifications details)



Code Black	Code Grey	Length	Mounting Diameter (mm)	Box Quantity	Unit Price (Euro)
SER-SS1	SER-SG1	PG-7	13	100	€ 0,036
SER-SS2	SER-SG2	PG-9	16	100	€ 0,039
SER-SS3	SER-SG3	PG-11	19	100	€ 0,054
SER-SS4	SER-SG4	PG-13,5	21	100	€ 0,060
SER-SS5	SER-SG5	PG-16	23	100	€ 0,078
SER-SS6	SER-SG6	PG-21	29	50	€ 0,120
SER-SS7	SER-SG7	PG-29	37,5	50	€ 0,198
SER-SS8	SER-SG8	PG-36	47,5	50	€ 0,330
SER-SS9	SER-SG9	PG-48	60	50	€ 0,720

TAKE PLAST

Global Standards
Local Presence
Real Performance

 takeplast_

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