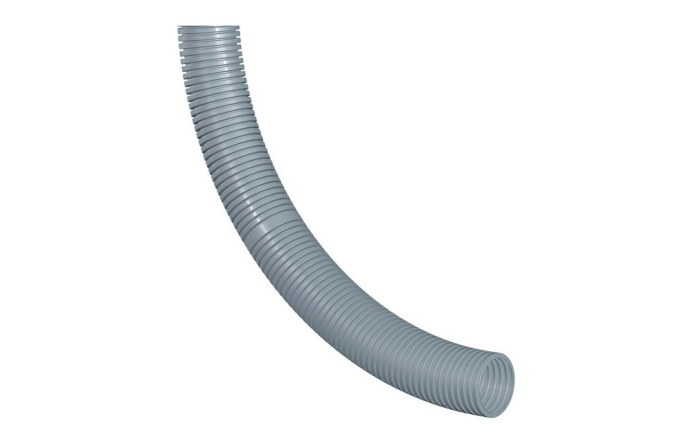
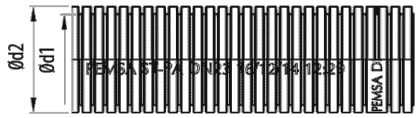
ST-PA Halogen Free Flexible Conduit





Description

Flexible corrugated conduit, made of self-extinguishing polyamide 6 in grey RAL 7031 or black RAL 9005, halogen-free according to EN 50642 standard and with an IP67 protection rating. The ST-PA flexible conduit of the Pemsaflex® range is recommended for industrial applications, machinery and where a high degree of flexibility and excellent weathering and UV radiation are required. ULf1 classified accoding to UL746C and EN ISO 4892-2.

Advantages

Manufactured in polyamide 6. Self-extinguishing, halogen-free according to UNE/EN 60754-2 y UNE/EN 60754-1 and flame-retardant.

Impact resistance. Grade 4, 6 Joules.

Working temperature: -40°C to + 105°C.

Protection index EN 60529: IP67 with the suitable fittings.

Halogen-free according to EN 50642 /EN IEC 63355

CE conformity with Directive 2014/35 and IEC 61386-23. In compliance with EN 60204-1 (safety of machinery).

Applications

It is recommended for use in industrial applications and electrical installations of machine tools, robot equipment and vehicles. Excellent resistance against fats, alcohols, oils and lubricants and superb behaviour in outdoor applications. Resistant to UV radiation.

Solutions

RAILWAY APPLICATIONS

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ST-PA Halogen Free Flexible Conduit

Main technical characteristics

Colour Grey RAL 7011, Black RAL 9005

DN NW 7, NW10, NW12, NW14, NW17, NW23, NW29, NW36, NW48

Polyamide 6

Cod IEC 61386 24234

320 N

6 J

IP67

-40 / 105 °C

Flame retardant

ULf1 Resistant

ETIM 10 EC001175

Product data

Colour	DN	Ød1	Ød2	L	Ref	kg/u	u
Grey RAL 7011	NW 7	6.6	10	15	10040007	0,024	50
Grey RAL 7011	NW10	9.5	13	20	10040010	0,030	50
Grey RAL 7011	NW12	12	15.8	30	10040012	0,040	50
Grey RAL 7011	NW14	14.4	18.7	35	10040014	0,056	50
Grey RAL 7011	NW17	16.9	21.7	35	10040017	0,065	50
Grey RAL 7011	NW23	23.3	28.5	45	10040023	0,105	50
Grey RAL 7011	NW29	28.2	34.4	50	10040029	0,135	25
Grey RAL 7011	NW36	35.5	42.5	60	10040036	0,176	25
Grey RAL 7011	NW48	47.7	54.7	70	10040048	0,241	20
Black RAL 9005	NW 7	6.6	10	15	10041007	0,024	50
Black RAL 9005	NW10	9.5	13	20	10041010	0,030	50
Black RAL 9005	NW12	12	15.8	30	10041012	0,040	50
Black RAL 9005	NW14	14.4	18.7	35	10041014	0,056	50
Black RAL 9005	NW17	16.9	21.7	35	10041017	0,065	50
Black RAL 9005	NW23	23.3	28.5	45	10041023	0,105	50
Black RAL 9005	NW29	28.2	34.4	50	10041029	0,135	25
Black RAL 9005	NW36	35.5	42.5	60	10041036	0,176	25
Black RAL 9005	NW48	47.7	54.7	70	10041048	0,241	20

Protection System

CU - Copper electroplated

PG - Pregalvanised

EZ - Electrogalvanised

BC - Electrogalvanised Bichromate

BK8 - High Resistance Coating

GC - Hot Dip Galvanising

INOX - Stainless Steel

PT - Polyester Paint

AL - Aluminum

LN - Brass or Nickel-plated brass

Insulating materials

PC+ABS - Halogen Free Polycarbonate + ABS

PVC - Polyvinyl Chloride

PP - Halogen Free Polypropylene

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ST-PA Halogen Free Flexible Conduit

PA6 - Halogen Free Polyamide 6

PA12 - Halogen Free Polyamide 12

PU - Polyurethane

PE - Polyethylene

NBR - NBR rubber

PET - Thermoplastic Polyester

TPV - Thermoplastic

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