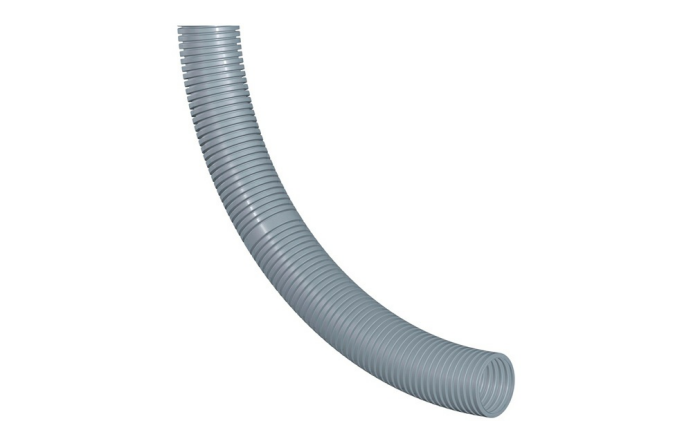
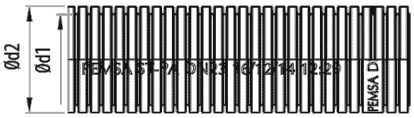
# ST-PA Halogen Free Flexible Conduit






## 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



Any information included in this document is property of Pemsa®. It cannot be copied, total or partially, nor disclosed to third parties nor used without the explicit and written authorization by Pemsa®. These documents total or partially, can be subject to patent and/or be patent pending and therefore protected by intellectual and industrial property rights. Pemsa, Rejiband, Pemsaband, Inducanal, Rejitech, Megaband, Pemsaflex are registered trademarks property of "Pemsa Cable Management, S.A."

# 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



Any information included in this document is property of Pemsa®. It cannot be copied, total or partially, nor disclosed to third parties nor used without the explicit and written authorization by Pemsa®. These documents total or partially, can be subject to patent and/or be patent pending and therefore protected by intellectual and industrial property rights. Pemsa, Rejiband, Pemsaband, Inducanal, Rejitech, Megaband, Pemsaflex are registered trademarks property of "Pemsa Cable Management, S.A."

# 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



Any information included in this document is property of Pemsa®. It cannot be copied, total or partially, nor disclosed to third parties nor used without the explicit and written authorization by Pemsa®. These documents total or partially, can be subject to patent and/or be patent pending and therefore protected by intellectual and industrial property rights. Pemsa, Rejiband, Pemsaband, Inducanal, Rejitech, Megaband, Pemsaflex are registered trademarks property of "Pemsa Cable Management, S.A."