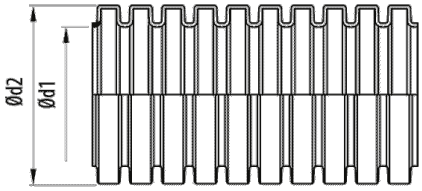
PEMSAFLEX System

23/11/2026

RB-PU Flexible Conduit (Ref: 10048023)





Description

Flexible corrugated conduit made of polyurethane in black RAL 9005, halogen-free and with an IP67 protection rating. The RB-PU flexible conduit of the Pemsaflex® range is recommended in industrial and robotics applications where a high degree of flexibility, long working cycles and high mechanical performance are required.

Advantages

UL and CSA certification. BD approval. CE conformance with the 2014/35 directive and the IEC 61386 standard. Halogen-free according to EN 50267-2-1 standard. In accordance with standard EN 60204-1 (machine safety).

Excellent performance and flexibility in long work cycles.

Made of self-extinguishing polyurethane, halogen-free and flame-retardant.

Protection index EN 60529: IP67 with the suitable fittings.

Applications

Its use is recommended in industrial applications, robotics and electrical installations of machine tools, equipment and vehicles. Excellent flexibility and behaviour in outdoor applications.

Solutions

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Product data

ETIM 10	EC001175
Huella de CO2. GWP A1-A3 (kg CO2 eq.)	
Colour	Black RAL 9005
DN	NW23
Ø d1 (mm)	21.4
Ø d2 (mm)	28.4
R (mm)	40
kg/u	0,140
u	50
Material	Polyurethane

Cod. IEC.61386	1532
Compression strength (N)	125 N
Impact Strength (J)	20 J
IP	IP67
Working temperature range (°C)	-15 / 90 °C
Fire resistance	LIBRE DE HALÓGENOS,NO PROPAGADOR DE LA LLAMA
UV Behaviour	Resistant

Ⓢ 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

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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