WHITEHOUSE
FLEXIBLE TUBING LTD

STAINLESS STEEL UNCOVERED CONDUIT (S-DNP)

STAINLESS STEEL FLEXIBLE METAL CONDUIT FOR CABLE PROTECTION

S-DNP Stainless Steel Uncovered Conduit is a helically wound flexible metal conduit manufactured from Type 304 stainless steel for the protection of electrical wiring. With anti-corrosive properties and a wide operating temperature range, it is suitable for demanding industrial, electrical and specialist applications.

Type 316 stainless steel is also available on request, including for salt water and marine applications.

- **Temp Range:** -100 C Min, +400 C Max.
- **IP Rating:** IP40 (Conduit) / IP40 (Conduit Plus Fittings)
- **Complies with:** BSEN61386-1:2008 & BSEN61386:2004
- **Classification Coding for Conduit Systems:** BSEN61386 – 125740404010
- **Standard Lengths:** 10m, 25m, 50m
- **Packing:** STD Coils Wooden Reels Loose or Joined in Crates

This helically wound type 304 Stainless Steel Conduit is typically used for the protection of electrical wiring. This can be manufactured in type 316 Stainless Steel, by request.

Classification Coding for Conduit System

Order non-standard lengths here

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PRODUCT DETAILS

Stainless Steel Uncovered Flexible Conduit – Product Details

S-DNP Stainless Steel Uncovered Conduit provides a highly flexible solution for protecting electrical wiring across a range of industrial, commercial and specialist applications.

Manufactured from helically coiled Type 304 stainless steel, S-DNP features a non-packed squarelock construction and offers anti-corrosive properties. Type 316 stainless steel can also be supplied on request.

Key Features

- Helically wound stainless steel flexible conduit
- Manufactured from Type 304 stainless steel
- Type 316 stainless steel available on request
- Non-packed squarelock construction
- Highly flexible
- Anti-corrosive properties
- Temperature range from -100°C to +400°C
- IP40 conduit rating
- IP40 rating when used with fittings
- Standard lengths of 10m, 25m and 50m
- Suitable for electrical cable protection

S-DNP is available in standard coils, on wooden reels, or loose or joined in crates.

TECHNICAL DATA

Product Code	Trade Size (mm)	Actual ID (mm)	Actual OD (mm)	Inside Bend Radius (mm)	Weight Per (Kg.) Per 100 Mtrs
5MM-SS	5	5	7	22	5
DNP.10-SS	10	7	9	27	9
DNP.12-SS	12	10	13	30	11
DNP.16-SS	16	13	16	33	14
DNP.20-SS	20	17	20	40	21

DNP.25-SS	25	21	25	47	27
DNP.32-SS	32	29	32	65	37
DNP.40-SS	40	38	42	80	48
DNP.50-SS	50	49	55	95	62

CONSTRUCTION

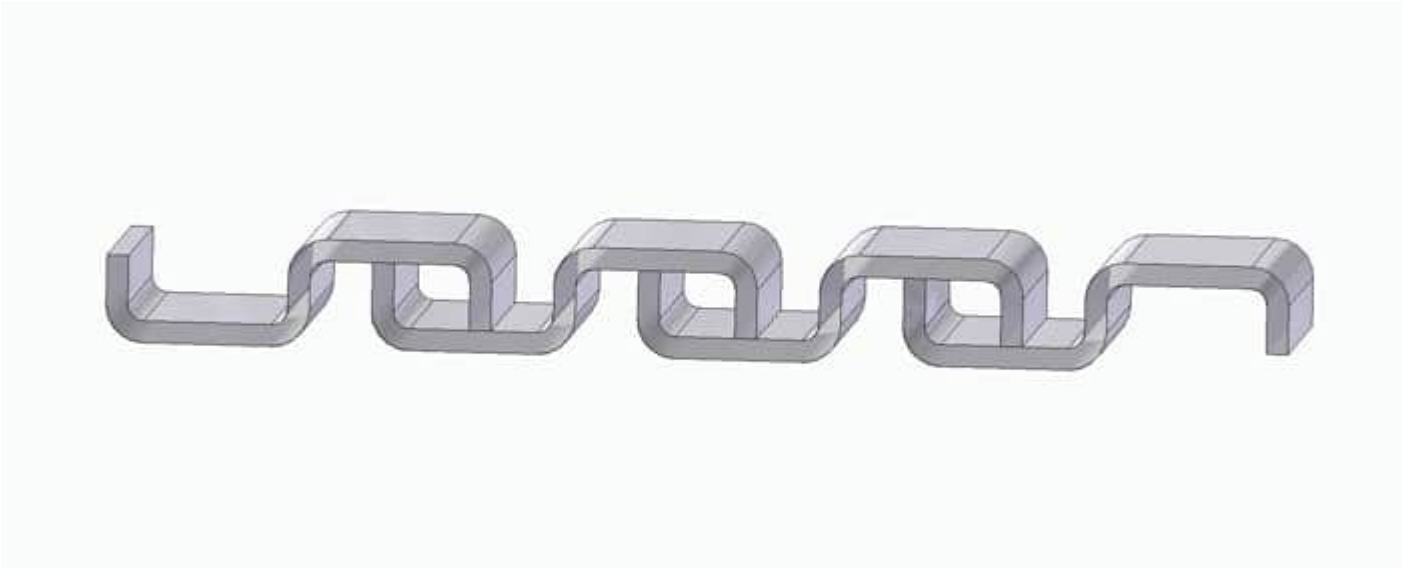
Stainless Steel Flexible Conduit Construction

S-DNP is a helically coiled flexible metal conduit manufactured from stainless steel for a highly flexible and durable construction.

- Helically coiled stainless steel conduit
- Non-packed conduit manufactured with a squarelock section
- Manufactured from Type 304 stainless steel in accordance with DIN Standard 49012
- Type 316 stainless steel can also be supplied on request

Manufacturing Tolerances

All S-DNP conduits are manufactured to ID sizes with tolerances of +0.5mm / -0.5mm.



APPLICATIONS

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Stainless Steel Flexible Conduit Applications

S-DNP Stainless Steel Uncovered Conduit is a highly flexible metal conduit with anti-corrosive properties, making it suitable for a wide range of electrical cable protection and industrial applications.

Typical applications include:

- **Cable Protection** – flexible protection for electrical wiring
- **Under-floor Wiring & Access Flooring** – suitable for under-floor electrical installations
- **Factory Wiring & General OEM Machinery** – flexible conduit for factory and machinery wiring
- **Rail Infrastructure** – suitable for signal and lighting applications
- **Lighting & Cable Tracks** – flexible protection for electrical cabling
- **CCTV Installations** – suitable for commercial, industrial and home CCTV applications
- **Food Industry Applications** – suitable for applications within the food industry
- **Salt Water & Marine Applications** – Type 316 stainless steel conduit is suitable for salt water and marine applications

NON-STANDARD LENGTHS

Order non-standard lengths here

PRE-WIRED ASSEMBLIES

Pre-wired Assemblies Builder

FAQS

Frequently Asked Questions About S-DNP Stainless Steel Conduit

What is S-DNP Stainless Steel Uncovered Conduit used for?

S-DNP is designed for the protection of electrical wiring. Applications include cable protection, under-floor wiring, factory wiring, OEM machinery, rail infrastructure, lighting, cable tracks, CCTV, food industry applications and, when manufactured from Type 316 stainless steel, salt water and marine applications.

What is S-DNP conduit made from?

S-DNP is manufactured from helically coiled Type 304 stainless steel with a non-packed squarelock construction. Type 316 stainless steel is also available on request.

What temperature range can S-DNP conduit operate within?

S-DNP Stainless Steel Uncovered Conduit has a specified temperature range of **-100°C to +400°C**.

What is the IP rating of S-DNP conduit?

S-DNP conduit has an **IP40 rating**. The specified rating when the conduit is used with fittings is also IP40.

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Is S-DNP conduit corrosion resistant?

The S-DNP product is described as having **anti-corrosive properties**.

Is Type 316 stainless steel conduit available?

Yes. S-DNP can be manufactured from Type 316 stainless steel on request.

Is S-DNP suitable for salt water and marine applications?

Yes. The **Type 316 stainless steel version** is specified for salt water and marine applications.

Is S-DNP suitable for food industry applications?

Yes. Food industry applications are included among the specified applications for S-DNP conduit.

What lengths of S-DNP conduit are available?

Standard lengths are **10m, 25m and 50m**. Non-standard lengths can also be ordered.

How is S-DNP conduit supplied?

S-DNP can be supplied in standard coils, on wooden reels, or loose or joined in crates.