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GALVANISED STEEL PVC COVERED CONDUIT (DFC)



GALVANISED STEEL PVC COVERED FLEXIBLE CONDUIT FOR CABLE PROTECTION

Galvanised Steel PVC Covered Conduit (DFC) is a flexible, helically wound metal conduit designed for the protection of electrical wiring. Manufactured from galvanised steel with a black low smoke and fume (LSF) PVC coating, it provides good mechanical strength, high crush resistance and a degree of weather protection.

Suitable for outdoor cable protection, under-floor wiring, factory wiring, OEM machinery, rail infrastructure, lighting, cable tracks and CCTV installations.

- **Temp Range**: -25°C to +75°C
- **IP Rating**: IP65 (Conduit) / IP54 (Conduit Plus Fittings)
- **Complies with**: BSEN61386-1:2008 & BSEN61386-23:2004
- **Classification Coding for Conduit System**: BSEN61386-222240543020
- **Standard Lengths:** 10m, 25m and 50m
- **Packing:** Standard coils & Wooden Reels

Classification Coding for Conduit System

Order non-standard lengths here

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PRODUCT DETAILS

GALVANISED STEEL PVC COVERED FLEXIBLE CONDUIT

DFC Galvanised Steel PVC Covered Conduit provides a flexible and durable solution for protecting electrical wiring across a range of industrial, commercial and general-purpose applications.

The conduit is manufactured from helically coiled galvanised steel using a non-packed squarelock construction. A black low smoke and fume (LSF) vacuum-formed PVC coating is applied as standard, with other colours available on request.

The combination of the galvanised steel construction and PVC covering provides good mechanical strength, high crush resistance, a very good bend radius and a degree of weather protection.

Key Features

- Flexible helically wound galvanised steel conduit
- Low smoke and fume (LSF) PVC covering
- Non-packed squarelock construction
- Good mechanical strength
- High crush resistance
- Very good bend radius
- Degree of weather protection
- Temperature range from -25°C to +75°C
- IP65 rating for conduit
- IP54 rating when used with fittings
- Standard lengths of 10m, 25m and 50m
- Supplied in standard coils or on wooden reels
- Other PVC coating colours available on request

DFC conduit complies with **BSEN61386-1:2008** and **BSEN61386-23:2004**, with conduit system classification **BSEN61386-222240543020**.

TECHNICAL DATA

Product Code	Trade Size (mm)	Actual ID (mm)	Actual OD (mm)	Inside Bend Radius (mm)	Weight (Kg.) Per 100 Mtrs
DFC10	10	7	10	35	11
DFC12	12	10	14	43	19
DFC16	16	13	17	45	25
DFC20	20	17	21	58	34
DFC25	25	21	26	71	38
DFC32	32	29	34	95	54
DFC40	40	38	44	122	77

DFC50	50	49	57	140	112

CONSTRUCTION

DFC is a flexible metal conduit manufactured from **helically coiled galvanised steel** and protected by a low smoke and fume (LSF) PVC covering.

- Non-packed flexible conduit with a squarelock section
- Manufactured from annealed steel strip to **BS.1449 Part 1 1972**, in accordance with **DIN Standard 49012**
- Black low smoke and fume (LSF) vacuum-formed PVC coating supplied as standard
- Alternative PVC coating colours are available on request

The PVC covering combines with the galvanised steel construction to provide a flexible conduit with good mechanical strength, high crush resistance, a very good bend radius and a degree of weather protection.

Manufacturing Tolerances: All conduits are manufactured to ID sizes with tolerances of **+0.5mm / -0.5mm**.

Manufacturing Tolerances – All conduits are manufactured to ID sizes, tolerances are + 0.5mm, – 0.5mm

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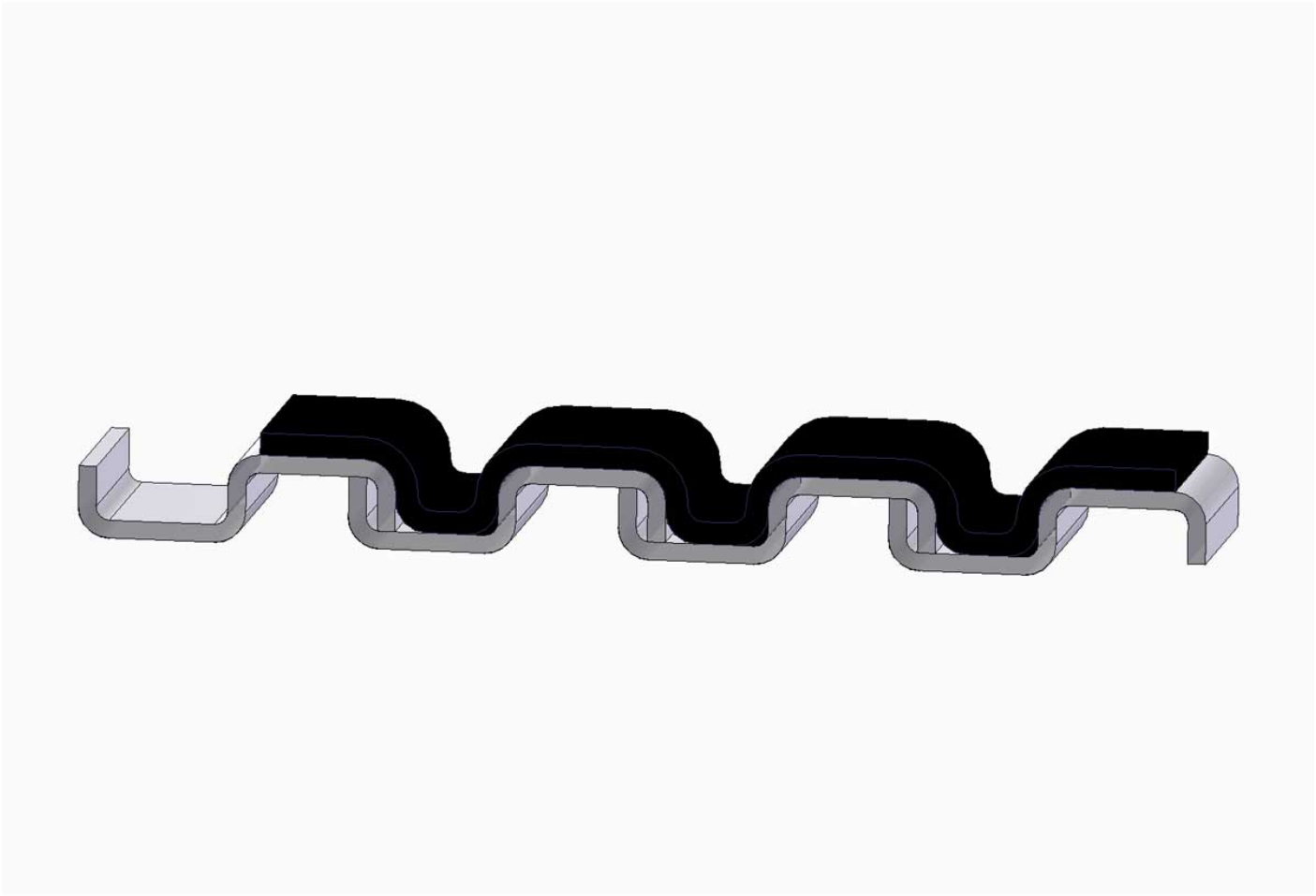

APPLICATIONS

DFC Galvanised Steel PVC Covered Conduit is designed for the protection of electrical wiring where flexibility, mechanical strength and a degree of weather protection are required.

Its flexible construction, very good bend radius and high crush resistance make it suitable for a range of electrical cable protection applications.

Typical applications include:

- **Outdoor Cable Protection** – protecting electrical wiring in external applications
- **Under-floor Wiring & Access Flooring** – flexible cable protection for under-floor installations
- **Factory Wiring & General OEM Machinery** – protecting electrical wiring used within factory and machinery installations
- **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

NON-STANDARD LENGTHS

Order non-standard lengths here

PRE-WIRED ASSEMBLIES

Pre-wired Assemblies Builder

FAQS

What is Galvanised Steel PVC Covered Conduit used for?

DFC Galvanised Steel PVC Covered Conduit is primarily used for protecting electrical wiring. Typical applications include outdoor cable protection, under-floor wiring, factory wiring, OEM machinery, rail infrastructure, lighting, cable tracks and CCTV installations.

What is DFC conduit made from?

The conduit is manufactured from annealed galvanised steel strip and has a helically coiled, non-packed squarelock construction. It is covered with a low smoke and fume (LSF) PVC coating.

What temperature range can DFC conduit operate within?

The specified temperature range for DFC Galvanised Steel PVC Covered Conduit is **-25°C to +75°C**.

What is the IP rating of DFC conduit?

The conduit itself has an **IP65 rating**. When the conduit is used with fittings, the specified rating is **IP54**.

Is DFC conduit suitable for outdoor cable protection?

Yes. Outdoor cable protection is one of the stated applications for DFC conduit. Its PVC covering provides a degree of weather protection.

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What lengths of DFC conduit are available?

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

What colour is the PVC covering?

DFC conduit is supplied with a **black low smoke and fume (LSF) PVC coating** as standard. Other colours are available on request.

What standards does DFC conduit comply with?

DFC conduit complies with **BSEN61386-1:2008** and **BSEN61386-23:2004**. Its conduit system classification code is **BSEN61386-222240543020**.