

FLEXIBLE METALLIC CONDUIT SYSTEMS



//
SPECIALITY
IS OUR
STRENGTH
//



Industrial Cable Management System Co.



Industrial Cable Management System Co.

www.icmstray.com

INTRODUCTION

INDUSTRIAL CABLE MANAGEMENT SYSTEMS COMPANY (ICMS) is a pioneer in the field of Quality Cable Management Systems in the State of Qatar.

ICMS manufactures a variety of flexible conduits that are designed to protect sensitive circuits from outside interference in a variety of applications. These applications are found in machinery, communications, marine, and many other industries. ICMS owns and operates a fully equipped and modern facility with a wide network of distributors across the Arabian Gulf.

Our advanced manufacturing facilities and the assistance of highly qualified professionals ensure us to provide superior quality products at competitive prices. ICMS products are designed in conformation with an international quality standard such as BS EN 61386 and are appreciated for dimensional accuracy and perfect finish.

Its products are approved by various utilities and major consulting offices; further reconfirming the fact that Industrial Cable Management Systems satisfies your definition of quality in every aspect of its business activity, having the following certification.



Flexible metallic conduit systems

1. Flexible Galvanised Steel Conduit (FSC)



Material: Galvanised Steel (Uncovered type).

IP Rating: IP40

Flexibility: Very High Flexibility

Fatigue Life: Very High Fatigue Life

Temperature Range: Static Temp -50°C to +300°C
Flexing Temp -45°C to +250°C

Fire Performance: Low Fire Hazard resistance to flame propagation

Application: Used for the wire/cable protection for machines, mansions and factory building provided insulation for wires/cables protected. Besides, the cable's bending and beautiful outlook can be ensured.

Part Number	Nominal Conduit Size (mm)	Inside Dia (mm)	Outside Dia (mm)	Coil Length (m)
FSC-20	20	16.9	20.5	10/30/50
FSC-25	25	21.4	25.0	10/30/50
FSC-32	32	28.1	32.0	10/20
FSC-50	50	48.4	53.0	10/20

When ordering, eg FSC-32-Coil Length.

2. Flexible Liquid Resistant Conduit-PVC Coated (FLRC)



Material: Galvanised Steel Core with PVC coated

Colour: Black

IP Rating: IP54

Flexibility: Very High Flexibility

Fatigue Life: Very High Fatigue Life

Temperature Range: Static Temp -25°C to +70°C
Flexing Temp -5°C to +90°C

Fire Performance: Flame extinguish in less than 30 seconds after the ignition source removed.

Application: Used for the wire/cable protection at railways, engines traffic system engineering, air conditioners, various machinery, automatic controlling equipment, power plants, chemical industries, factory buildings as well as the outdoor, exposed locations.

Part Number	Nominal Conduit Size (mm)	Inside Dia (mm)	Outside Dia (mm)	Coil Length (m)
FLRC-20	20	17.0	21.2	10/30/50
FLRC-25	25	21.1	25.7	10/30/50
FLRC-32	32	28.4	33.0	10/20
FLRC-50	50	48.2	64.5	10/20

When ordering, eg FLRC-25-Coil Length.

3. Flexible Liquid Resistant - Low Fire Hazard Conduit (FLFC)



Material: Galvanised Steel Core with PVC coated

Colour: Black

IP Rating: IP54

Flexibility: Medium Flexibility

Fatigue Life: Medium Fatigue Life

Temperature Range: Static Temp -20°C to +90°C
Flexing Temp -5°C to +105°C

Fire Performance: Limited Fire Hazard, Flame Retardant, Low Smoke, Zero Halogen.

Application: Used for the cable protection at railways, aircraft, ships, vessels, power plants, elevators, various machineries, tunnels, automatic controlling equipment, chemical industries, factory buildings as well as the outdoor, exposed locations.

Part Number	Nominal Conduit Size (mm)	Inside Dia (mm)	Outside Dia (mm)	Coil Length (m)
FLFC-20	20	17.0	21.2	10/20
FLFC-25	25	21.1	25.7	10/30
FLFC-32	32	28.4	33.0	10/30
FLFC-50	50	48.2	54.9	10/30

When ordering, eg FLFC-50-Coil Length.

4. Flexible Stainless Steel Conduit (FSSC)



Material: Stainless Steel

IP Rating: IP40

Flexibility: Very High Flexibility

Fatigue Life: Very High Fatigue Life

Temperature Range: Static Temp -65°C to +350°C
Flexing Temp -45°C to +250°C

Fire Performance: Low Fire Hazard, Resistance to Flame Propagation.

Application: Used for the cable protection of under floor applications for computer/floor boxes, corrosive environment, chemical industries, factory buildings as well as the outdoor, exposed locations.

Part Number	Nominal Conduit Size (mm)	Inside Dia (mm)	Outside Dia (mm)	Coil Length (m)
FSSC-20	20	17.0	20.2	10/30
FSSC-25	25	21.1	24.7	10/30
FSSC-32	32	28.4	32.0	10/20
FSSC-50	50	48.4	53.0	10/20

When ordering, eg FSSC-25-Coil Length.

Flexible metallic conduit fittings

1. Adaptor With Screw (FAS)



Straight fitting with fixed external thread.

Material: Brass (BR)

IP Rating: IP40 -For Uncovered steel conduit

IP54 -For covered steel conduit

Part Number	Metric Thread Size
FAS-20-M/F	M20
FAS-25-M/F	M25
FAS-32-M/F	M32
FAS-50-M/F	M50

When ordering, eg FAS-32-Material finish

2. Fixed Type (FFE)



Straight fitting with fixed external thread.

Materials: Zinc plated brass(ZP) / Nickel plated brass(NI)

IP Rating: IP40 -For Uncovered steel conduit

IP54 -For covered steel conduit

Part Number	Metric Thread Size
FFE-20-M/F	M20
FFE-25-M/F	M25
FFE-32-M/F	M32
FFE-50-M/F	M50

When ordering, eg FFE-32-Material finish

3. Swivel Type (FSE)



Straight fitting with swivel external thread.
Materials: Zinc plated brass(ZP) / Nickel plated brass(NI)
IP Rating: IP40 -For Uncovered steel conduit
IP54 -For covered steel conduit

Part Number	Metric Thread Size
FSE-20-M/F	M20
FSE-25-M/F	M25
FSE-32-M/F	M32
FSE-50-M/F	M50

When ordering, eg FSE-32-Material finish

Flexible Non-metallic conduit system

1. Flexible Polyamide Conduit (FPC)



Material: Polyamide (nylon) 6

Color: Black.

Flexibility: High Flexibility

Fatigue Life: High Fatigue Life

Temperature Range: Static Temp -40°C to +120°C
Flexing Temp -5°C to +120°C

Fire Performance: Self extinguishing, Halogen free.

Application: Used for the wire/cable protection for machines, communications cables, optical fibers and other low voltage cables.

Part Number	Nominal Conduit Size (mm)	Inside Dia (mm)	Outside Dia (mm)	Coil Length (m)
FPC-21	21	16.8	21.2	50
FPC-28	28	22.2	28.5	50
FPC-34	34	27.9	34.5	20
FPC-54	54	46.9	54.5	20

When ordering, eg FPC-28-Coil Length

Flexible Non-metallic conduit fitting

1. Straight Fitting (FSF)



Straight fitting with thread.

Material: Polyamide (nylon) 6, Black (BL)

Part Number	Metric Thread Size
FSF-21-M/F	M20
FSF-28-M/F	M25
FSF-34-M/F	M32
FSF-54-M/F	M50

When ordering, eg FSF-34-Material finish



Industrial Cable Management Systems Co.

+974 4444 6246 | Fax: +974 4444 6242

www.icmstray.com