

Non-Metallic Systems

XF - XTRAFLEX Standard Weight Conduit



Technical Characteristics

Conforms to

BSI Kitemark KM-35161
CE Mark to the Low voltage directive

Approvals and Standards



Degree of mechanical protection

Very High flexibility, medium fatigue life

Degree of protection

IP40 - N/A
IP65 - Type XF
IP66 - N/A
IP67 - N/A
IP68 - N/A
IP69k - N/A

UV protection

High

Finish

Black (BL)

Application

Indoors / Outdoors, Torsional Equipment

Normal operating temperature range

Application	Min Temp	Max Temp
Static	- 20°C	+60°C
Dynamic	- 5°C	+60°C

For use with - Fitting range

[Xtraflex](#) fittings type [A](#) & [C90](#)

Fire performance

Test Standard

Performance Rating

Not Rated

Not Rated

Testing data

See Page 2

Type of material

PVCu Spiral with plasticised covering featuring a smooth bore

Image



Non-Metallic Systems

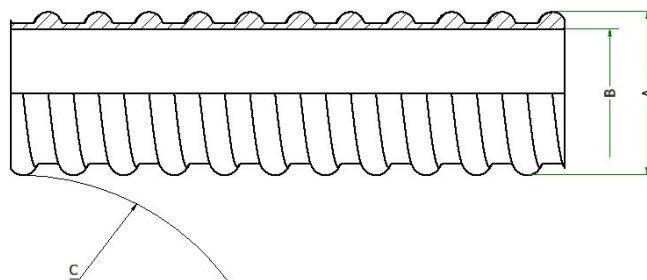
XF - XTRAFLEX Standard Weight Conduit



Technical & Dimensional Data

Part No.	Conduit Size		Dimensions				Average Weight (KG/30m)
	Nominal Conduit Size	Conduit Pitch	(A) Outside Diameter	(B) Inside Diameter	(C) Min. Bend Radius	Reel Length (m)	
XF12	12mm	N/A	14.5mm	10.0mm	25mm	30	2.4
XF16	16mm	N/A	16.5mm	12.0mm	30mm	30	2.6
XF20	21mm	N/A	20.5mm	16.0mm	35mm	30	3.5
XF25	25mm	N/A	27.5mm	22.0mm	50mm	30	4.5
XF32	32mm	N/A	33.5mm	28.0mm	60mm	30	6.3
XF40	40mm	N/A	44.0mm	38.0mm	80mm	30	8.4
XF50	50mm	N/A	57.5mm	50.0mm	105mm	30	14.1

To order quote part number, colour & reel length, e.g XF20/50M



Chemical Resistance Chart

Key:

Suitable :

Limited Suitability :

Unsuitable :

Not Tested :

● Astm No.1	● Diesel oil	● Methyl Bromide	● Sulphur Dioxide (Gas)
● Astm No.2	● Diethylamine	● MEK	● Sulphuric Acid (10%)
● Astm No.3	● Ethanol	● Nitric Acid (10%)	● Sulphuric Acid (70%)
● Acetic Acid (10%)	● Ether	● Nitric Acid (70%)	● Toluene
● Acetone	● Ethylamine	● Oxalic Acid	● Transformer Oil
● Aluminium Chloride	● Ethylene Glycol	● Ozone (Gas)	● 1,1,1-Trichloroethane
● Aniline	● Ethyl Ethanoate	● Paraffin oil	● Trichloroethylene
● Benzaldehyde	● Freon 32	● Petrol	● Turpentine
● Benzene	● Hydrochloric Acid (10%)	● Phenol	● Vegetable Oil
● Carbon tetrachloride	● Hydrochloric Acid (36%)	● Sea Water	● Vinyl Acetate
● Chlorine water	● Hydrogen Peroxide (35%)	● Silver Nitrate	● Water
● Chloroform	● Hydrogen Peroxide (87%)	● Skydrol	● White Spirit
● Citric Acid	● Lactic Acid	● Sodium Chloride	● Zinc Chloride
● Copper Sulphate	● Lubricating oil	● Sodium Hydroxide (10%)	
● Cresol	● Methanol	● Sodium Hydroxide (60%)	

The information above is given as a guide only and is based on published technical data and experience. The chemical resistance of the above products is dependant on factors such as chemical exposure, concentration of the chemical and temperature. The above chemicals are valid for a temperature of 23°C. Use of the above table is at the users own discretion and risk. Those using it must satisfy themselves that their application presents no health and safety risks. The end user should assess compatibility with their application and contact Thomas & Betts for further information.

ADHERENCE TO THE CURRENT WIRING REGULATIONS BS7671 OR NEC WIRING REGULATIONS (FOR USA) IS STRONGLY ADVISED.

MINIMUM BEND RADIUS FOR FLEXING IS DEPENDANT UPON MINIMUM TEMPERATURE, BENDING FREQUENCY AND CHEMICAL ENVIRONMENT.

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Thomas & Betts

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The Company's policy is one of continuous improvement and reserves the right to change specifications at any time without prior notice.