

# Non-Metallic Systems

## RF - XTRAFLEX Standard Weight Conduit



### Technical Characteristics

Conforms to BSI Kitemark KM-35161  
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, electrical insulator

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](#)

Technical Properties	Test Type	Method / Standards	Value
	Dynamic	-	-5°C to

Testing data [Click or See pages](#)

Type of material PVCu Spiral with plasticised covering featuring a smooth bore



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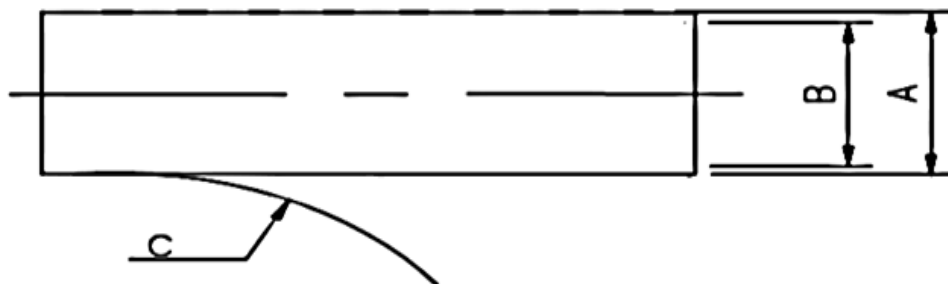
## RF - XTRAFLEX Standard Weight Conduit



### 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)	
RF12	12mm	N/A	15.4mm	10.0mm	25mm	30	3.2
RF16	16mm	N/A	17.5mm	12.3mm	30mm	30	3.3
RF20	21mm	N/A	21.1mm	16.1mm	35mm	30	4.8
RF25	25mm	N/A	26.5mm	21.1mm	50mm	30	6.9
RF32	32mm	N/A	33.4mm	27.0mm	60mm	30	11.1

To order quote part number, colour & reel length, e.g RF20/BL/50M



### Chemical Resistance Chart

Key:	Green Circle	Yellow Circle	Red Circle	Black Circle
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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