

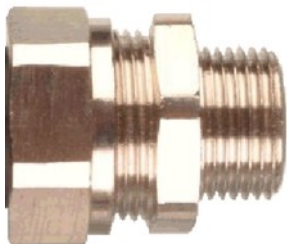


Metallic Systems - C12

BCM - For Superscreen Pliable Conduit



Technical Characteristics

Conforms to	BSI Kitemark KM-90009 Low voltage directive Inherent Low Fire Hazard		
Approvals and Standards	 		
Degree of mechanical protection	Very High		
Degree of protection	IP66 as standard with PSBF, PST, PHH & PHT Pliable Conduits IP67 as standard with PSBF, PST, PHH & PHT Pliable Conduits		
UV protection	Very High		
Fitting characteristics	Straight fitting - external male thread		
Application	For insertion into threaded entries & knockouts using a locknut to secure		
Normal operating temperature range	Application	Min Temp	Max Temp
	Static	- 40°C	+130°C
For use with - Conduit series	Pliable PSBF , PST PHT & PHH		
Fire performance	Test Standard		Performance Rating
	Not Rated		Not Rated
Testing data	Click or see page 3		
Type of material	Nickel Plated Brass, Nylon Seals		
Image			

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Dimensional Data

Part No	Thread Size & Pitch	Nominal Dimensions (mm)				
		Thread DIA	Min Bore	Across Flats	Thread Length	Nominal Length
BCM0303	M16 x 1.5	16.0	11.3	25.7	11.1	28.5
BCM0404	M20 x 1.5	20.0	14.1	28.5	11.1	30.5
BCM0505	M25 x 1.5	25.0	20.4	36.5	11.1	31.7
BCM0606	M32 x 1.5	32.0	26.8	43.5	14.3	40.5
BCM0707	M40 x 1.5	40.0	32.7	54.0	16.5	47.5
BCM0808	M50 x 1.5	50.0	45.5	68.0	22.2	50.8

Thread Data

Metric	Standard thread conforming to EN60423 & BS3643		
Thread Size mm	Ext Thread Outside Diameter	Int Thread Inside Diameter	Pitch
M16	16.0	14.4	1.5
M20	20.0	18.4	1.5
M25	25.0	23.4	1.5
M32	32.0	30.4	1.5
M40	40.0	38.4	1.5
M50	50.0	48.4	1.5

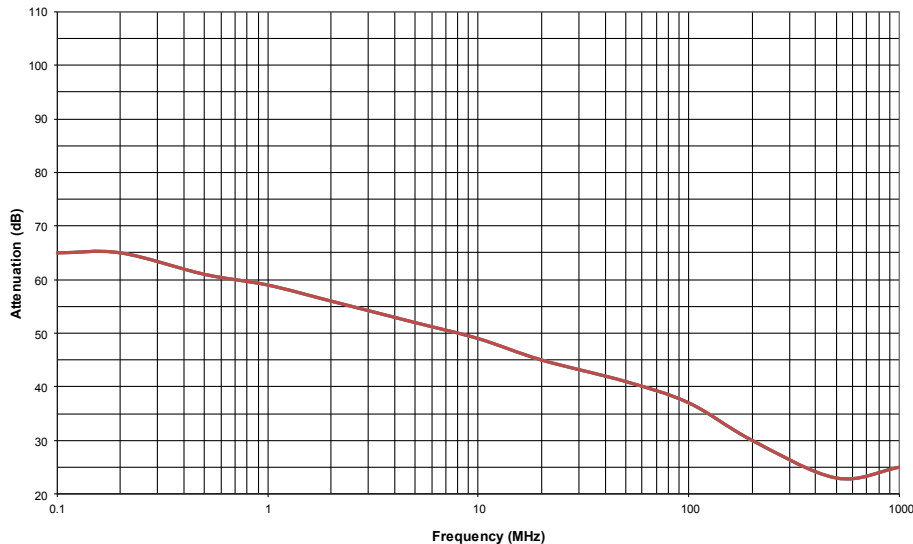
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EMC Screen Level

EMI Screening effectiveness of PS* Pliable Conduits



The graph to the right shows the results of PSBF04 screened conduit along with the C12 fitting.

The conduit is tested by ERA technology, to IEC60096/2:93 (radio frequency cables part 1).

Tests measured attenuation in decibels (dB) over the frequency range covered by the EMC directive, 0.1 to 1000MHz.

Chemical Resistance Chart

<div>Key:</div> <div>Suitable : <div></div></div> <div>Limited Suitability : <div></div></div> <div>Unsuitable : <div></div></div> <div>Not Tested : <div></div></div>	<div></div> Astm No.1	<div></div> Diesel oil	<div></div> Methyl Bromide	<div></div> Sulphur Dioxide (Gas)
	<div></div> Astm No.2	<div></div> Diethylamine	<div></div> MEK	<div></div> Sulphuric Acid (10%)
	<div></div> Astm No.3	<div></div> Ethanol	<div></div> Nitric Acid (10%)	<div></div> Sulphuric Acid (70%)
	<div></div> Acetic Acid (10%)	<div></div> Ether	<div></div> Nitric Acid (70%)	<div></div> Toluene
	<div></div> Acetone	<div></div> Ethylamine	<div></div> Oxalic Acid	<div></div> Transformer Oil
	<div></div> Aluminium Chloride	<div></div> Ethylene Glycol	<div></div> Ozone (Gas)	<div></div> 1,1,1-Trichloroethane
	<div></div> Aniline	<div></div> Ethyl Ethanoate	<div></div> Paraffin oil	<div></div> Trichloroethylene
	<div></div> Benzaldehyde	<div></div> Freon 32	<div></div> Petrol	<div></div> Turpentine
	<div></div> Benzene	<div></div> Hydrochloric Acid (10%)	<div></div> Phenol	<div></div> Vegetable Oil
	<div></div> Carbon tetrachloride	<div></div> Hydrochloric Acid (36%)	<div></div> Sea Water	<div></div> Vinyl Acetate
	<div></div> Chlorine water	<div></div> Hydrogen Peroxide (35%)	<div></div> Silver Nitrate	<div></div> Water
	<div></div> Chloroform	<div></div> Hydrogen Peroxide (87%)	<div></div> Skydrol	<div></div> White Spirit
	<div></div> Citric Acid	<div></div> Lactic Acid	<div></div> Sodium Chloride	<div></div> Zinc Chloride
	<div></div> Copper Sulphate	<div></div> Lubricating oil	<div></div> Sodium Hydroxide (10%)	
	<div></div> Cresol	<div></div> Methanol	<div></div> 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.