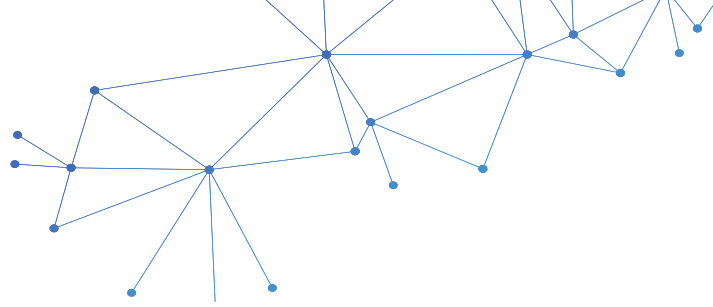


GALVANISED STEEL FLEXIBLE CONDUIT

Technical Specification

CAT#	TRADE SIZE	DIMENSION				MIN BEND RADIUS		
		INTERNAL DIAMETER		OUTER DIAMETER				
NPT	INCH	MIN (MM)	MAX (MM)	MIN (MM)	MAX (MM)	(MM)		
FMC-US 01	3/8"	9.6	9.9	14.3	15.5	60		
FMC-US 02	1/2"	15.9	16.4	21.9	23.4	75		
FMC-US 03	3/4"	20.6	21.2	26.6	28.0	85		
FMC-US 04	1"	25.4	26.4	33.0	35.1	110		
FMC-US 05	1-1/4"	31.8	33.0	39.4	41.4	130		
FMC-US 06	1-1/2"	38.1	40.0	46.9	49.6	150		
FMC-US 07	2"	50.8	52.9	59.7	62.2	190		
FMC-US 08	2-1/2"	63.0	63.6	72.6	77.7	250		
FMC-US 09	3"	76.2	78.7	85.4	90.4	310		
FMC-US 10	3-1/2"	88.9	89.9	98.0	103.1	345		
FMC-US 11	4"	101.6	102.6	110.7	115.8	360		
Standard Colour		GALVANISED / SILVER.						
Construction		Standard industrial conduit with galvanised steel sheet inner core Helically wound with single clutch manufactured from galvanised steel metal						
Temperature Rating		Galvanised Steel Metal Temperature rating -0 to +300 C Intermittent to 90 C						
Protection Rating IEC 529, IP 55		LIQUID	Protect against water ets. Water projected by a nozzle against the conduit from any direction will have no harmful effect.					
		DUST	Dust protected. Ingress of dust is not totally prevented, but dust. Does not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.					
Flammability		To CEI 23-14V - 1971 with 10 second flame resistance						
Equivalent Standard		Meets with the requirements of BS EN 50086 - 2 - 3 and BS 731 part 1						
Certified Standard		IS 3480						
Flexibility Grade		Excellent						
EN 50086-IS3480 Definition		Flexibility Conduit						
As per IS 3480 - Assistance has been derived from the following while preparing this standard:								
BS 731 Part I : 1952 Flexible Steel Conduits & Adaptors for the protection of electrical cable								
British Standards Institution.								
Trade Sizes mm / Inches	NOMINAL INTERNAL DIAMETER	INTERNAL DIAMETER	TOLERANCE ON INTERNAL DIAMETER	EXTERNAL DIAMETER IN NORMAL POSITION Max.	URNS / METERS IN NORMAL POSITION Min.	BENDING DIAMETER Min.	LINER BREAKING LOAD Min.	BENDING FRACTURE LOAD Min.
	-1 mm	-2 mm	-3 mm	-4 mm	-5 mm	-6 mm	-7 kgf	-8 kgf
	6.5	6.5 }		9	315	55	35	11.5
	10	10.0 }	0.5	13	235	63	60	18
16mm	13	13.0 }	0.16					
	16	16.0 }	0	20	200	90	110	35
20mm	17	17.0 }	0	20.5				
	19	19.0 }						
25mm	21	21.0 }	0.5	25.5				
	25	25.0 }	31	160	150	210	45	
32mm	28	28.0 }	0	33				
40mm	35	35.0 }	-0.2	41				
	40	40.0 }	1	46	100	225	330	70
50mm	45	45.0 }	0.05	51				
	50	50.0 }						
	63	63.0 }	0	70	100	350	430	125
	100	100.0 }		108	100	450	500	190





Material Specification:		Technical Specification
<p>Raw Material Standard</p> <p>CABCOMM ensures that all the materials used for the Construction of the flexible conduits confirm the following:</p> <p>Pre-galvanised steel sheet to Z120 which corresponds to minimum average coating weight of 120 gsm of surface area as basic core material.</p>	<p>Mechanical Performance</p> <p>Compression resistance - confirms to IS 3480</p> <p>defined in BS EN 50086-1 which corresponds to heavy duty.</p>	<p>Temperature Rating</p> <p>CABCOMM - flexible conduits can maintain the designed flexibility over an operating temperature range of -15 Degree Centigrade to +80 Degree c.</p>
<p>Standards & Approvals of the finished products</p> <p>All CABCOMM flexible conduit products are manufactured in accordance to IS 3480</p> <p>Assistance has been derived from the following while preparing as per this standard:-</p> <p>B.S. 731: Part I: 1952 - Flexible steel conduits & adaptor for the protection of Electric Cable.</p> <p>British standard Institution. UL 1-1957 Flexible Steel Conduit: Underwriters Laboratories Inc. USA</p> <p>For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of test, shall be rounded off as per IS:2-1960, IS:3480-1966. places retained in the rounded of value should be the same as that the specified value in the standard.</p> <p>The Product is certified by NABL India</p>	<p>Fire Performance</p> <p>The PVC material used in manufacture of Flexible conduit products are non-flame propagating in accordance with BS 6099 and BS 4678</p>	<p>Mechanical Interlock with Adaptor</p> <p>A unique 3 Turn contact is ensured for CABCOMM range, Flexible Conduit & Adaptors & ensures tight fit of adaptors over the flexible conduit length.</p>
<p>IEC 529/BS EN 60529 PROTECTIVE IP RATING.</p> <p>CABCOMM Marking All CABCOMM flexible conduit product packing are marked with UP logo & also logo as per customer's request (except fittings & brass adaptors)</p> <p>All conduit accessories are manufactured to a fine tolerance to ensure a very tight fit with ease of removal CABCOMM conduit.</p>	<p>Chemical Resistance</p> <p>PVC coating is non corrosive and not resistance to mineral acids alkalis and detergents, good resistance to alcohols, but liable to attack from solvents such as ketones, aromatics and hydrocarbons.</p>	<p>Workability</p> <p>All CABCOMM flexible conduit are heavy duty used construction site We recommend use of fine tooth 32tpi hacksa short conduit length can be readily incorporated.</p>