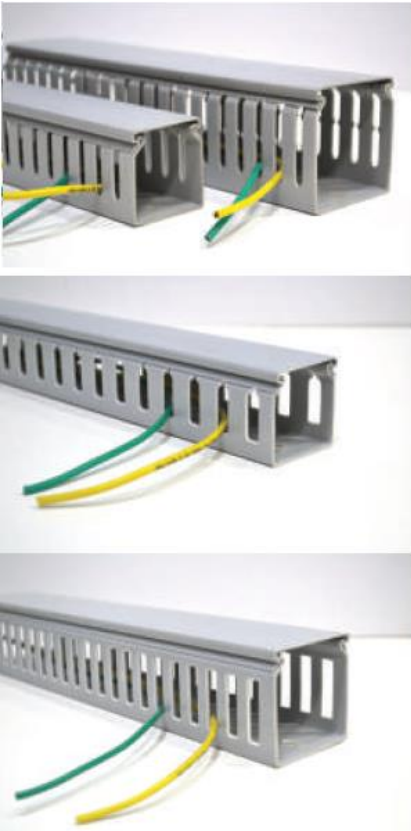




Akcelport industries

ISO 9001 & 45001 Certified Company

CABLE DUCTS



WIRING DUCTS



CABLE DUCTS

Features

- Manufactured from high impact rigid polyvinyl chloride.
- Non-flammable, non-corrosive and rust proof
- Will not peel, chip or crack
- High dielectric strength, high temperature withstanding capacity
- Side slots are designed to prevent popping up of wires
- Heavy and robust design of duct and cover for efficient and fast locking

Colour

Standard colour is grey.

Other colours – Black, White, Ivory, Green, Blue are available for bulk quantities

RAW MATERIAL PROPERTY DATA SHEET

PVC FRLS CABLE DUCTS TESTS				
Test	Test Purpose	Test Standard	Criteria	Typical Values
Limiting Oxygen Index (LOI)	Minimum Oxygen Concentration for supporting combustion of wiring duct insulation at normal temperature	ASTM D 2863	Min. 29	Min. 40
Temperature Index	Temperature index at which normal oxygen content (21%) of air will support combustion of wiring duct material	ASTM D 2863	>200°C	>200°C
Maximum Stroke Density Rating (SDR)	Indicates the visibility under fire	ASTM D 2863	<60%	<45%
Flammability Class	Should be highly flame retardant	UL-94	V-0	Passed



CABLE DUCTS

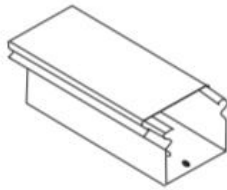
PVC FRLS WIRING DUCT : RAW MATERIAL SPECS			
Properties	Units	Test Standard	Typical Values
General Characteristics			
Specific Gravity	g/cc	ASTM D 792	<1.48
Heat Deflection Temperature (HDT) @18.2 Mpa	°F	ASTM D 648	Upto 160
Vicat softening point (VSP) at 5kg load	°F	ASTM D 1525	Upto 185
Water absorption	%	ASTM D 570	0.045
Hardness -Shore	D	D ASTM D 2240	Max. 78
Burning Characteristics			
Flammability Class	-	UL-94	V-0
Oxygen Index Test (LOI)	%	ASTM D 2863	Min. 40
Maximum Smoke Density Rating (SDR)	%	ASTM D 2843	<50
Mechanical Characteristics			
Tensile Modulus	Kg/cm ²	ASTM D 638	>12000
Tensile Strength at break	Kg/cm ²	ASTM D 638	>390
Izod Impact Strength (Notched)	Kg.cm/cm	ASTM D 256	>7.0
Compressive Strength	Kg/cm ²	ASTM D 695	>1100
Electrical Characteristics			
Power Factor	-	ASTM D 150	0.018
Dielectric Constant	-	ASTM D 150	<3
Dielectric Strength	KV/mm	ASTM D 149	>12
Surface Resistivity	Ohm	ASTM D 257	>1x10 ¹⁵
Volume Resistivity	Ohm-cm	ASTM D 257	>3x10 ¹⁶

HALOGEN FREE - FR DUCTS : RAW MATERIAL SPECS			
Properties	Units	Test Standard	Typical Values
General Characteristics			
Specific Gravity	g/cc	ASTM D 792	<1.2
Heat Deflection Temperature (HDT) @4.6 kg/cm ²	°F	ASTM D 648	Upto 220
Vicat softening point (VSP) at 5kg load	°F	ASTM D 1525	Upto 240
Co-efficient of linear thermal expansion	°C	ASTM D 696	7.2 x 10 ⁻⁵
Water absorption	%	ASTM D 570	0.6
Hardness – Rockwell R	R	ISO 2039-2	124
Burning Characteristics			
Flammability Class	-	UL-94	V-0
Limiting Oxygen Index (LOI)	%	ASTM D 2863	Min. 35
Maximum Smoke Density Rating (SDR)	%	ASTM D 2843	Max. 25
Mechanical Characteristics			
Tensile Modulus	Kg/cm ²	ASTM D 638	>2500
Tensile Strength at break	Kg/cm ²	ASTM D 638	>525
Izod Impact Strength (Notched)	cm-kgf/cm	ASTM D 256	Min. 65
Flexural Modulus	Kg f/cm ²	ASTM D 695	Min. 25000
Electrical Characteristics			
Dielectric Strength	KV/mm	ASTM D 149	>12
Surface Resistivity	Ohm	ASTM D 257	>1x10 ¹⁵
Volume Resistivity	Ohm-cm	ASTM D 257	>3x10 ¹⁶

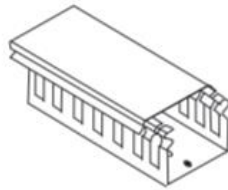


CABLE DUCTS

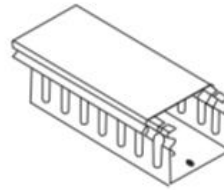
SLOTting STYLES



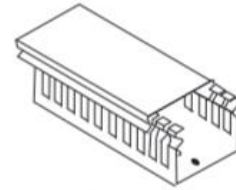
Unslotted (US)



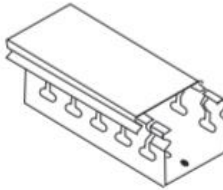
Standard Slotted (S)



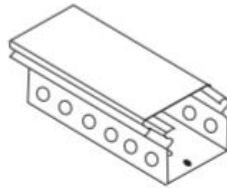
Straight Slotted (L)



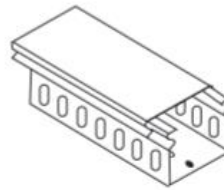
Thin Slotted (T)



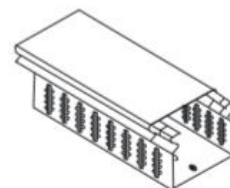
Horizontal Slotted (H)



Circular Slotted (C)



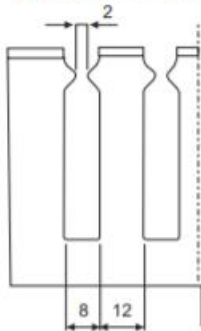
Oblong Slotted (O)



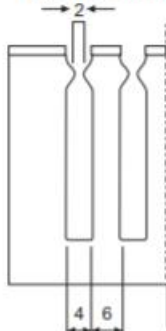
Multiple Slotted (M)

SLOTting DIMENSIONS

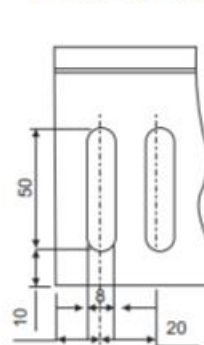
S (Standard Slot)



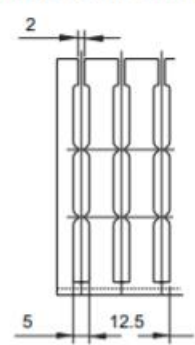
T (Thin Slot)



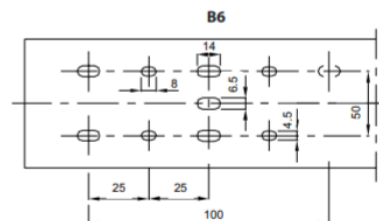
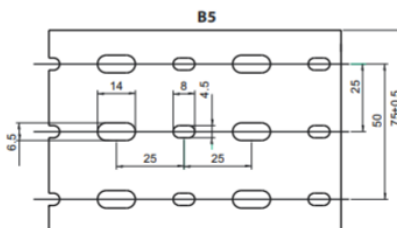
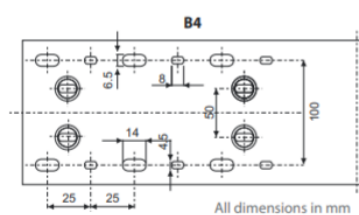
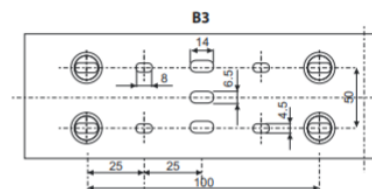
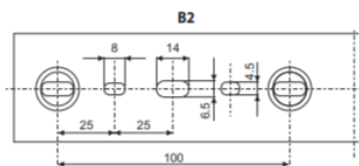
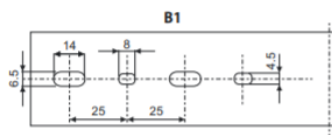
O (Oblong Slot)



R (Restricted Slot)



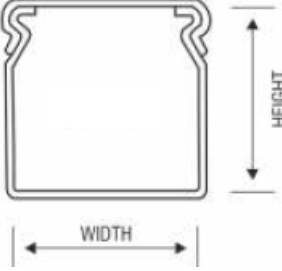
BOTTOM SLOTting DIMENSIONS



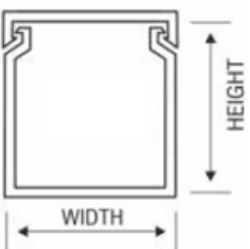


CABLE DUCTS

Wiring Ducts Type A

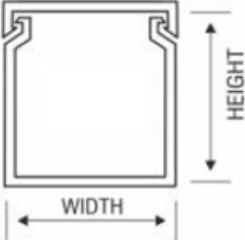
TYPE A	ITEM CODE	Width mm	Height mm	Available Slotting Styles	Bottom Slot
	A1515	15	15	S, H, U	B1
	A2515	25	15	S, H, U	B1
	A2525	25	25	S, O, T, U	B1
	A2530	25	30	S, O, T, U	B1
	A3040	30	40	S, T, U	B1
	A2545	25	45	S, O, C, M, T, L, U	B1
	A3045	30	45	S, O, C, M, T, L, U	B1
	A4545	45	45	S, O, C, M, T, L, U	B1
	A6045	60	45	S, O, C, M, T, L, U	B1
	A2560	25	60	S, O, T, U	B1
	A4560	45	60	S, O, T, U	B1
	A6060	60	60	S, O, T, U	B1
	A12060	120	60	S, U	B1
	A4575	45	75	S, T, C, U	B1
	A7575	75	75	S, T, C, U	B1
	A8080	80	80	S, T, U	B1
	A100100	100	100	S, U	B1

Wiring Ducts Type B

TYPE B	ITEM CODE	Width mm	Height mm	Available Slotting Styles	Bottom Slot
	B2530	25	30	S, T, U	B1
	B2540	25	40	S, T, U	B1
	B2545	25	45	S, T, U	B1
	B2560	25	60	S, T, U	B1
	B2580	25	80	S, T, U	B1
	B25100	25	100	S, U	B1
	B3020	30	20	U	B1
	B3080	30	80	S, T, U	B1
	B4040	40	40	S, T, U	B2
	B4060	40	60	S, T, U	B2
	B4080	40	80	S, O, T, U	B2
	B40100	40	100	S, T, U	B2
	B4520	45	20	U	B2
	B4545	45	45	S, T, U	B2
	B50100	50	100	S, T, U	B2
	B6020	60	20	U	B2
	B6040	60	40	S, T, U	B2



CABLE DUCTS

TYPE B	ITEM CODE	Width mm	Height mm	Available Slotting Styles	Bottom Slot
	B6060	60	60	S, T, U	B2
	B6080	60	80	S, O, T, U	B2
	B60100	60	100	S, T, U	B2
	B7264	72	64	S, U	B2
	B7575	75	75	S, U	B2
	B75100	75	100	S, T, U	B2
	B8040	80	40	S, T, U	B3
	B8060	80	60	S, T, U	B3
	B8080	80	80	S, O, T, U	B3
	B80100	80	100	S, T, U	B3
	B10060	100	60	S, T, U	B3
	B10080	100	80	S, T, U	B3
	B100100	100	100	S, T, U	B3
	B12080	120	80	S, T, U	B3
	B150100	150	100	S, T, U	B4
	B150150	150	150	S, T, U	B4

COVERS FOR CABLE DUCTS

ITEM CODE FOR TYPE A DUCT	Width Size mm	Standard Packing (Length in Mtrs)
AC15	15	50
AC25	25	50
AC30	30	50
AC40	40	50
AC45	45	50
AC60	60	50
AC75	75	50
AC80	80	50
AC100	100	50
AC125	125	50
AC150	150	50

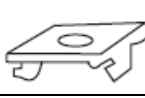


ITEM CODE FOR TYPE B DUCT	Width Size mm	Standard Packing (Length in Mtrs)
BC25	25	50
BC30	30	50
BC40	40	50
BC45	45	50
BC50	50	50
BC60	60	50
BC72	72	50
BC80	80	50
BC100	100	50
BC125	125	50
BC150	150	50

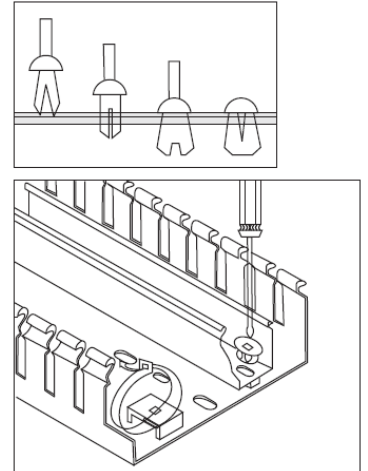


CABLE DUCTS

ACCESSORIES

PART NAME	FIGURE	ORDERING CODE	STANDARD PACKING
Fixing Lug		BFL1	100
Cable Tie Attachment		BCT1	100
Nylon Fastener		BNF 6 (6 mm) BNF 4 (4 mm)	100 100
Wire Retainer		BWRT (Thin) BWRS (Std)	100
Name Plate		BNPT (Thin) BNPS (Std)	100
Mounting Clip 1		BMC 1	100
Mounting Clip 2		BMC 2	100

**Please specify the size while ordering*



ORDERING INFORMATION FOR WIRING DUCTS

Examples :

ITEM CODE	Type	Width mm	Height mm	Length Meter	Slot Style	Colour	Material
A2545-2-S-Grey	A	25	45	2	Standard	Grey	PVC
A2530-2-T-Blue	A	25	30	2	Thin	Blue	PVC
B2525-1-T-Grey	B	25	25	1	Thin	Grey	PVC
B3040-2-T-Grey	B	30	40	2	Thin	Grey	PVC
B100100-2-S-Grey	B	100	100	2	Standard	Grey	PVC

Special Halogen Free Ducts also available with us in Type B and DIN Standard Ducts