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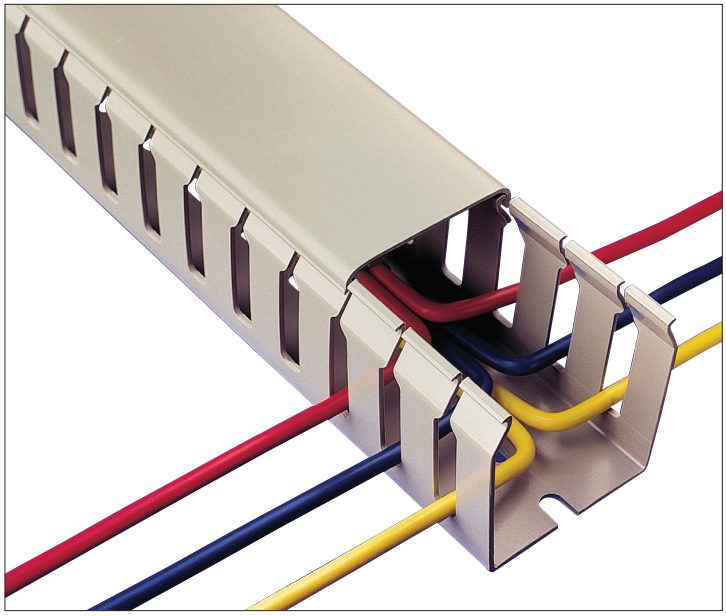
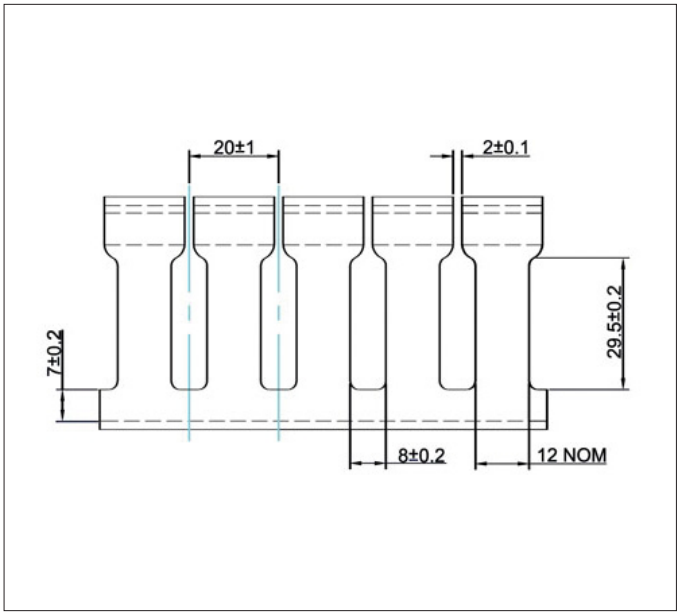
The Only UK Manufacturer of PVC and LFH Control Panel Ducting

TECHNICAL SPECIFICATION • BETADUCT PVC - OPEN SLOT GREY





DESCRIPTION

Open Slot PVC Betaduct provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Available with 20mm slot pitch, 8mm slot width in 23 sizes. Recommended fixing method; Betaduct rivets and washers.

APPLICATION

For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

SPECIFICATION

Material: Self-extinguishing PVC

Colour Options: Grey RAL 7030

Service Temperature Range: -15˚C to +60˚C

Flammability: UL94 V-O Rated Material

Standards: Base slots to DIN 43659. CE, RoHS, UL E161178A & Lloyds Register Approved.

PART NUMBERS & SIZES

PART NO. GREY OPEN SLOT	NOMINAL SIZE INNER (WxH) mm	NOMINAL SIZE OUTER (WxH) mm	PACK QTY (METRES)
10450018	19 x 50	25 x 53	24
10450022	25 x 37.5	29 x 41	24
10450023	25 x 50	29 x 54	24
10450024	25 x 75	29 x 79	16
10450025	25 x 100	30 x 105	16
10450032	37.5 x 37.5	41 x 41	24
10450033	37.5 x 50	41 x 54	16
10450034	37.5 x 75	39 x 79	16
10450035	37.5 x 100	43 x 105	16
10450051	50 x 25	54 x 28	24
10450052	50 x 37.5	54 x 41	16
10450053	50 x 50	54 x 54	16
10450054	50 x 75	55 x 79	16
10450055	50 x 100	56 x 105	8
10450072	75 x 37.5	80 x 41	16
10450073	75 x 50	78 x 54	16
10450074	75 x 75	80 x 80	16
10450075	75 x 100	80 x 105	8
10450103	100 x 50	107 x 54	8
10450104	100 x 75	107 x 80	8
10450105	100 x 100	107 x 104	8
10450106	100 x 125	107 x 130	8
10450124	125 x 75	131 x 78	8

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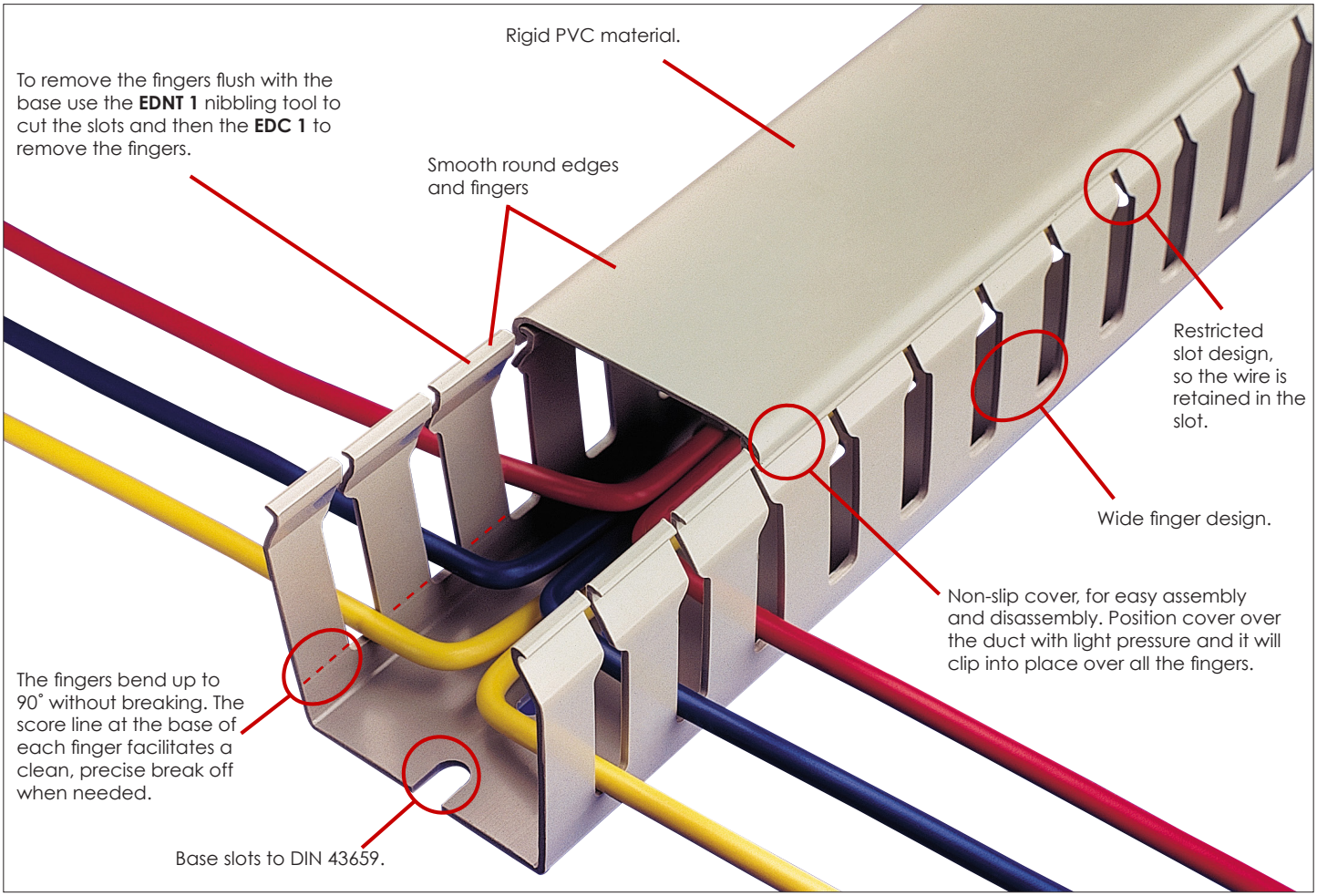

FEATURES	BENEFITS
Rigid PVC material	*Self-extinguishing PVC.*
Wide finger design	*To give additional cable support. The wide fingers can be used with a range of wire and bundle sizes.*
Restricted slot design	*Saves time during installation, once wires are installed they will remain in the slot with or without cover.*
Non-slip cover	*Once installed lid will not slip. Easy clip-on assembly and disassembly.*
Base slots to DIN 43659	*Staggered mounting holes, conforms to DIN standard.*
Score line at base of each slot	*To facilitate a clean, precise break off.*
Smooth round edges	*Free from burrs or sharp edges that could lead to abrasions on hands and cables.*
Associated cutting tools: EDNT 1, EDC 1.	*For clean, precise cutting of trunking fingers.*

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BETADUCT CAPACITY CHART

TRUNKING SIZE Width x Height mm	CROSS SECTIONAL AREA mm²	AT 55% PACKING DENSITY mm²	CABLE CROSS SECTIONAL AREA (mm²) TRI-RATED CABLE BS6231													
			0.50	0.75	1.00	1.50	2.50	4.00	6.00	10.00	16.00	25.00	35.00	50.00	70.00	95.00
			CABLE DIAMETER (mm)													
			2.7	2.9	3.1	3.4	3.8	4.4	5.1	6.8	8.64	10.16	11.46	13.97	16.46	18.54
			MAXIMUM NUMBER OF CABLES													
15 x 15	**225**	**123.75**	21	18	16	13	10	8	6	3	2	1	-	-	-	-
19 x 50	**950**	**522.5**	91	79	69	57	46	34	25	14	8	6	5	3	2	1
25 x 20	**500**	**275**	48	41	36	30	24	18	13	7	4	3	2	1	1	1
25 x 37.5	**937.5**	**515.6**	90	78	68	56	45	33	25	14	8	6	4	3	2	1
25 x 50	**1250**	**687.5**	120	104	91	75	60	45	33	18	11	8	6	4	3	2
25 x 75	**1875**	**1031.25**	180	156	136	113	90	67	50	28	17	12	9	6	4	3
25 x 100	**2500**	**1375**	240	208	182	151	121	90	67	37	23	16	13	8	6	5
37.5 x 37.5	**1406**	**773.3**	135	117	102	85	68	50	37	21	13	9	7	5	3	2
37.5 x 50	**1875**	**1031.25**	180	156	136	113	90	67	50	28	17	12	9	6	4	3
37.5 x 75	**2813**	**1547.15**	270	234	204	170	136	101	75	42	26	19	14	10	7	5
37.5 x 100	**3750**	**2062.5**	360	312	273	227	181	135	100	56	35	25	19	13	9	7
50 x 25	**1250**	**687.5**	120	104	91	75	60	45	33	18	11	8	6	4	3	2
50 x 37.5	**1875**	**1031.25**	180	156	136	113	90	67	50	28	17	12	9	6	4	3
50 x 50	**2500**	**1375**	240	208	182	151	121	90	67	37	23	16	13	8	6	5
50 x 75	**3750**	**2062.5**	360	312	273	227	181	135	100	56	35	25	19	13	9	7
50 x 100	**5000**	**2750**	480	416	364	303	242	180	134	75	46	33	26	17	12	10
75 x 37.5	**2813**	**1547.15**	270	234	204	170	136	101	75	42	26	19	14	10	7	5
75 x 50	**3750**	**2062.5**	360	312	273	273	181	135	100	56	35	25	19	13	9	7
75 x 75	**5625**	**3093.75**	540	468	409	410	272	203	151	85	52	38	29	20	14	11
75 x 100	**7500**	**4125**	720	624	546	547	363	271	201	113	70	50	39	26	19	15
100 x 50	**5000**	**2750**	480	416	364	364	242	180	134	75	46	33	26	17	12	10
100 x 75	**7500**	**4125**	720	624	546	454	363	271	201	113	70	50	39	26	19	15
100 x 100	**10000**	**5500**	960	832	728	605	484	361	269	151	93	67	53	35	25	20
100 x 125	**12500**	**6875**	1200	1040	910	757	606	452	336	189	117	84	66	44	32	25
125 x 75	**9375**	**5156.25**	900	780	683	567	454	339	252	141	87	63	49	33	24	19

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