

# capacity of U-PVC DLP trunking systems for installation

Insulation resistance : all the DLP plastic range (including accessories) insulation resistance superior to 5 megohms

CV : Cover

## 1 Cross-section in mm<sup>2</sup> (or diameter for ELV cables) depending on number of conductors

Normal cross-section of cores (mm <sup>2</sup> )	Cable									
	1 conductor		2 conductors		3 conductors		4 conductors		5 conductors	
	Usable cross-section (mm <sup>2</sup> )	Maximum Ø (mm)	Usable cross-section (mm <sup>2</sup> )	Maximum Ø (mm)	Usable cross-section (mm <sup>2</sup> )	Maximum Ø (mm)	Usable cross-section (mm <sup>2</sup> )	Maximum Ø (mm)	Usable cross-section (mm <sup>2</sup> )	Maximum Ø (mm)
1.5	44	6.6	111	10.5	121	11.0	144	12.0	169	13.0
2.5	49	7.0	133	11.5	157	12.5	169	13.0	211	14.5
4	58	7.6	169	13.0	183	13.5	211	14.5	256	16.0
6	68	8.2	196	14.0	225	15.0	256	16.0	307	17.5
10	85	9.2	256	16.0	289	17.0	343	18.5	400	20.0
16	111	10.5	43	18.5	381	19.5	441	21.0	529	23.0
25	157	12.5	484	22.0	553	23.5	651	25.5	784	28.0
35	183	13.5	601	24.5	676	26.0	813	28.5	993	31.5
50	225	15.0	-	-	841	29.0	1 057	32.5	-	-

### Example

#### A - Description :

- 2 cables 3 x 1.5<sup>2</sup>
- 10 cables 4 x 4<sup>2</sup>
- 4 cables 4 x 2.5<sup>2</sup>

#### B - Calculation of cumulative cable cross-sections : See table 1

	Theoretical cross-section (mm <sup>2</sup> )	Practical cross-section (mm <sup>2</sup> )
2 cables 3 x 1.5 <sup>2</sup>	2 x 121 =	242
4 cables 4 x 2.5 <sup>2</sup>	4 x 169 =	676
10 cables 4 x 4 <sup>2</sup>	10 x 211 =	2 110
<b>TOTAL</b>		3 028

\*K (filling factor) = 1.10 Section = 3 028 x 1.10 = **3 330 mm<sup>2</sup>**

#### C - Trunking selection See table 2

## 2 Capacity of trunking

	Cross-section (mm <sup>2</sup> ) Max. Ø (mm <sup>2</sup> )	80 x 50		105 x 50	
		CV65	CV40	CV40	CV85
Trunking only	Cross-section	3380	1930	1930	4330
	Max. Ø	40	28	43	28
With Arteor™ support	Cross-section	1830	1410	1410	2300
	Max. Ø	2 x 18	2 x 21	2 x 21	2 x 24

CV : Cover

	Cross-section (mm <sup>2</sup> ) Max. Ø (mm <sup>2</sup> )	150 x 50															
		CV40	CV40	CV40	CV65	CV65	CV40	CV85	CV40	CV85	CV130						
Trunking only	Cross-section	2000	1570	1570	2000	3020	3020	2580	2000	2000	3590	2000	6040	2000	4020	4020	6470
	Max. Ø	28	28	28	43	43	43	43	2x43	43	43	43	28	28	28	28	28
With Arteor™ support	Cross-section	1480	1050	1050	1480	1470	1470	1470	1470	1480	1480	1990	1480	1990	1990	1990	-
	Max. Ø	24	24	24	24	18	18	18	18	24	24	26	24	26	26	-	-

	Cross-section (mm <sup>2</sup> ) Max. Ø (mm <sup>2</sup> )	195 x 50																	
		CV40	CV40	CV40	CV40	CV65	CV40	CV65	CV65	CV65	CV65	CV40	CV40	CV85	CV40	CV130	CV40	CV85	CV85
Trunking only	Cross-section	2000	1570	1570	2000	3020	1570	3020	3020	2580	2000	2000	3590	2000	6040	2000	4020	4020	8470
	Max. Ø	28	28	28	28	43	28	43	43	42	28	28	42	28	2 x 42	28	43	43	3 x 42
With Arteor™ support	Cross-section	1480	1050	1050	1480	1470	1050	1470	1470	1030	1480	1480	1560	1480	-	1480	1990	1990	-
	Max. Ø	2 x 21	2 x 17	2 x 17	2 x 21	18	2 x 17	18	18	14	2 x 21	2 x 21	2 x 18	2 x 21	-	2 x 21	26	26	-

# DLP U-PVC adaptable trunking systems for installations base, covers, partitions, finishing accessories and mounting wiring accessories

Selection chart for Installation of trunking, Accessories and Arteor™

Trunking			Covers	Clip on partition		Arteor™ frames						
Number of compartments	Cover(s) width	Section (mm)	Flexible	Partitions separation	Plastic	Aluminium	1 module	2 module	3 module	4 module	6 module	8 module
0104 12	1 x 65	80 x 50	0105 21	0105 82	-	-	-	0109 21	0109 31	0109 41	0109 61	0109 81
0104 22	1 x 85	105 x 50	0105 22	0105 82	-	-	-	0109 22	0109 32	0109 42	0109 62	0109 82
	2 x 40		0105 20	0105 82	0104 72	0111 06	0109 10	-	-	-	-	-
0104 32	1 x 130	150 x 50	0105 24	0105 82	-	-	-	-	-	-	-	-
	2 x 65		0105 21	0105 82	0104 72	0111 06	-	0109 21	0109 31	0109 41	0109 61	0109 81
	1 x 40 + 1 x 85		0105 20 + 0105 22	0105 82	0104 72	0111 06	0109 10	0109 22	0109 32	0109 42	0109 62	0109 82
	3 x 40		0105 20	0105 82	0104 72 x 2	0111 06 x 2	0109 10	-	-	-	-	-
0104 52	1 x 180	195 x 50	0105 26	0105 82	-	-	-	-	-	-	-	-
	2 x 85		0105 22	0105 82	0104 72	0111 06	-	0109 22	0109 32	0109 42	0109 62	0109 82
	1 x 40 + 1 x 130		0105 20 + 0105 24	0105 82	0104 72	0111 06	0109 10	-	-	-	-	-
	1 x 85 + 2 x 40		0105 22 + 0105 20	0105 82	0104 72 x 2	0111 06 x 2	0109 10	0109 22	0109 32	0109 42	0109 62	0109 82
	1 x 40 + 2 x 65		0105 20 + 0105 21	0105 82	0104 72 x 2	0111 06 x 2	0109 10	0109 21	0109 31	0109 41	0109 61	0109 81
	4 x 40		0105 20	0105 82	0104 72 x 3	0111 06 x 3	0109 10	-	-	-	-	-

Selection chart for Installation trunking, Accessories and Arteor™

Section (mm)M	Wall crossing	Capacity change	Partition junction	Cable tie base	Insulating unit for Arteor™ modules		Earth Link
					2/4/6/8 Module	3 Module	
80 x 50 and 105 x 50	0106 98	0106 87 + 0106 88	0106 89	0308 81	0109 27	0109 37	0111 88
150 x 50 and 195 x 50	0106 99						

**Bold catalogue numbers** are products normally available with Legrand (India) stockists.

**Cat. nos. that are not bold** - delivery within 4 - 8 weeks from the date of order.

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# DLP U-PVC adaptable trunking system and accessories 150 x 50

trunking and fittings



Selection table (p. 374-375)  
Cable carrying capacity (p. 373)

Pack	Cat.Nos	Trunking
		Suitable for a wide range of requirements and applications: - Distribution: large wiring capacity and wide access to the wiring space - Installation: can be used with various ranges of wiring accessories - Flexible cover which continuous even on angles - Adjustable internal and external angles - U-PVC trunking
		<b>Bodies</b> Supplied without cover Length 2 m
20 <sup>(1)</sup>	0104 32	150 x 50 mm
		<b>Flexible cover</b>
8	0105 24	Fits onto the whole branch including in internal or external angles Full cover width 130 mm
20	0105 22	Full cover width 85 mm
20	0105 21	Full cover width 65 mm
20	0105 20	Full cover width 40 mm Length 2 m
		<b>Partitions</b>
24 <sup>(1)</sup>	0105 82	Separation partition for 105 x 50 trunking Length 2 m
48	0104 72	Plastic clip-on partition
12	0111 06	Aluminium clip-on partition
		<b>Joints</b>
20/200	0106 91	Body joint For aligning bases during installation
10/100	0108 04	Cover joint for 130 mm width
10/100	0108 02	Cover joint for 85 mm width
10/100	0108 01	Cover joint for 65 mm width
10/100	0108 00	Cover joint for 40 mm width

Angles and end caps		
<b>Internal and external angles</b> Include the 2 components for the top and bottom of the trunking on which the flexible cover is fitted		
10/40	0106 02	Internal angle, adjustable from 80° to 100°
10/50	0106 22	External angle, adjustable from 60° to 120°

Pack	Cat.Nos	Angles and end caps (continued)
5	0107 89	<b>Flat angle</b> 90° flat angle
10/50	0107 06	<b>End cap</b> Left or right end cap
<b>Junctions</b>		
10	0107 32	Flat angles
5/25	0107 35	To tap-off to an 80 mm wide branch
5/25	0107 37	To tap-off to a 105 mm wide branch equipped with a 65 mm cover
5/25	0107 36	To a tap-off to a 105 mm wide branch equipped with a 85 mm cover
<b>Partion junction</b>		
5/50	0106 11	For internal angles
5/50	0106 32	For external angles
5/25	0107 42	For flat angles

Accessories		
<b>Holding cables in place</b>		
50	0106 86	Clip for 130 mm width cover
50	0106 82	Clip for 65 mm width cover
<b>VDI accessories</b>		
5/50	0107 80	For internal angles
5/50	0107 81	For external angles
5/50	0107 82	For flat angles
5/50	0107 83	For flat junctions

(1) Number of meters in pack

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