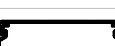
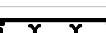
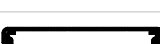


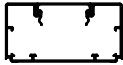
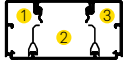
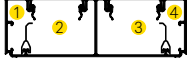
Mini Cable

Mini Cable			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS 			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
12 x 7		10010 CBR 10010 FBR	10x5	2,10	61	44	5	5	4	3	2
16 x 10		10020 CBR 10020 FBR	14x8	2,10	121	86	8	11	7	6	4
20 x 12,5		10030 CBR 10030 FBR 10030 HBR	18x10	2,10	182	130	10	16	11	9	6
25 x 16		10450 CBR 10450 FBR	23x14	2,10	290	207	14	25	18	14	11
32 x 12,5		10410 CBR 10410 FBR	30x10	2,10	145 145	104 104	10 10	13 13	9 9	7 7	5 5
		10410 HBR									
		10400 CBR 10400 FBR			310	221	10	28	18	15	11
		10400 HBR									
32 x 16		10040 CBR 10040 FBR 10040 HBR	30x14	2,10	401	286	14	36	25	20	15
40 x 12,5		10050 CBR 10050 FBR	38x9	2,10	179 179	128 128	9 9	16 16	11 11	9 9	6 6
		10050 HBR									
		10150 CBR 10150 FBR			394	282	9	36	24	19	14
40 x 16		10060 CBR 10060 FBR	38x14	2,10	232 232	166 166	14 14	21 21	14 14	11 11	8 8
		10060 HBR									
		10160 CBR 10160 FBR			514	368	14	47	32	25	19
40 x 25		10480 CBR	37x22	2,10	805	575	22	71	50	39	30
50 x 20		10500 CBR 10500 HBR	47x17	2,10	836	597	17	75	50	40	30
		10510 CBR			553 256	395 183	17 17	49 23	33 15	26 12	20 9
					10520 CBR	256 270 256	183 193 183	17 17 17	23 24 23	15 16 15	12 13 12
60 x 16		10070 CBR	57x14	2,10	228 246 228	163 176 163	14 14 14	20 22 20	14 15 14	11 12 11	8 9 8
		10170 CBR			787	563	14	72	48	39	29
75 x 20		10140 CBR	72x18	2,10	325 463 325	232 331 232	17 17 17	29 42 29	20 28 20	16 23 16	12 17 12

CBR - Complete White; FBR - Adhesive White Complete; HBR - White Complete Halogen Free.

Halogen Free

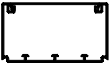
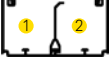
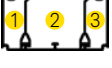
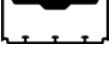
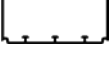
L45 Cover - Snap-ON

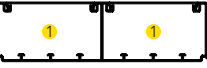
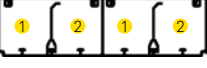
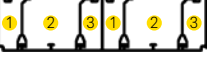
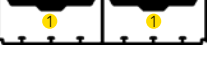
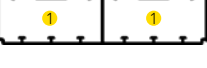
			Trunkings Characteristics				Insulated Cables Capacity				
			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
100 x 50		11020 CBR	96x47	2,00	2155	1539	32	191	135	106	81
					① 493 ② 1058 ③ 493	352 756 352	20 32 20	43 94 43	31 66 31	24 52 24	18 40 18
155 x 50		11030 CBR	75x47 75x47	2,00	① 1672 ② 1672	1194 1194	32 32	148 148	105 105	82 82	63 63
					① 357 ② 1259 ③ 1259 ④ 357	255 899 899 255	16 32 32 16	31 111 111 31	22 79 79 22	17 61 61 17	13 47 47 13
190 x 50		11040 CBR	63x47 57x47 63x47	2,00	① 1325 ② 1214 ③ 1325	946 867 946	32 32 32	117 107 117	83 76 83	65 59 65	50 46 50

CBR - Complete White.

Note: 45 mm (L45) wide cover.

L75 Cover - Universal

			Trunkings Characteristics				Insulated Cables Capacity				
			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
90 x 50		10180 RBR	86x47	2,00	3909	2792	45	349	233	186	140
		10180 HBR									
		10180 RBR			1 1890 2 1890	1350 1350	40 40	169 169	113 113	90 90	68 68
		10180 HBR									
		10180 RBR			1 725 2 2202 3 725	518 1572 518	25 30 25	65 197 65	43 131 43	35 105 35	26 79 26
		10180 HBR									
90 x 50 with Flush Mounting Box		10180 RBR			2109 (a)	1506	—	188	126	100	75
		10180 HBR									
90 x 50 with Semi-flush Mounting Box		10180 RBR			2686 (a)	1918	—	240	160	128	96
		10180 HBR									

180 x 50		10290 RBR	87x47 87x47	2,00	1 3960	2829	45	354	236	189	141
		10290 HBR									
		10290 RBR			1 1946 2 1885	1390 1347	45 45	174 168	116 112	93 90	70 67
		10290 HBR									
		10290 RBR			1 781 2 2202 3 720	558 1572 514	45 45 45	70 197 64	47 131 43	37 105 34	28 79 26
		10290 HBR									
180 x 50 with Flush Mounting Box		10290 RBR			1 2160 (a)	1543	—	193	129	103	77
		10290 HBR									
180 x 50 with Semi-flush Mounting Box		10290 RBR			1 2737 (a)	1955	—	244	163	130	98
		10290 HBR									

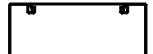
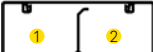
RBR - White Cable Trunking or Accessory; HBR - White Complete Halogen Free.

(a) - Section available with the largest mechanisms installed.

Note: 75 mm (L75) wide cover.

Halogen Free

L75 Cover - Universal

L75 Cover - Universal			Trunkings Characteristics				Insulated Cables Capacity				
IP44	RoHS		Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm²)	(S/1,4) (mm²)	(mm)	1,5 mm²	2,5 mm²	4 mm²	6 mm²
110 x 34		10080 RBR	106x31	2,00	3115	2225	28	283	192	154	115
		10080 HBR									
		10080 RBR			① 896	640	24	81	55	44	33
		10080 HBR			② 1148	820	27	104	71	57	42
110 x 34 with Flush Mounting Box		10080 RBR			1315 (a)	969	—	119	81	65	48
		10080 HBR									
110 x 34 with Semi-flush Mounting Box		10080 RBR			1892 (a)	1351	—	172	116	93	69
		10080 HBR									
110 x 50		10090 RBR	106x47	2,00	4834	3453	43	434	294	235	176
		10090 HBR									
		10090 RBR			① 2353	1680	41	214	145	116	86
		10090 HBR			② 2353	1680	41	210	142	114	85
		10090 RBR			① 1188	848	31	126	86	69	51
		10090 HBR			② 2202	1572	38	161	109	87	65
110 x 50 with Flush Mounting Box		10090 RBR			3034 (a)	2167	—	270	183	146	109
		10090 HBR									
110 x 50 with Semi-flush Mounting Box		10090 RBR			3611 (a)	2579	—	322	219	175	130
		10090 HBR									

RBR - White Cable Trunking or Accessory; **HBR** - White Complete Halogen Free.

(a) - Section available with the largest mechanisms installed.

Note: 75 mm (L75) wide cover.

Halogen Free

Skirt

			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
H x W (mm)	Profile	Ref.	(mm)	(m)	(mm ²)	(S/1,4) (mm ²)	(mm)	1,5 mm ²	2,5 mm ²	4 mm ²	6 mm ²
110 x 2		10100 CBR	104x17	2,00	1 330	236	14	30	20	16	12
					2 420	301	16	38	26	21	15
					3 436	312	17	40	27	21	16

CBR - Complete White.

Floor

			Trunkings Characteristics				Insulated Cables Capacity				
IP44 RoHS			Internal Dim.	Length	Internal Section (S)	Available Section (Su)	Max ø Available	Max. Nr. Conductors H07 V-U			
W x H (mm)	Profile	Ref.	(mm)	(m)	(mm ²)	(S/1,4) (mm ²)	(mm)	1,5 mm ²	2,5 mm ²	4 mm ²	6 mm ²
50 x 12		10110 CCZ	30x9	2,00	1 47	34	6	4	3	2	1
					2 148	106	9	13	9	7	5
					3 47	34	6	4	3	2	1
75 x 17		10120 CCZ	60x14	2,00	1 198	142	11	18	12	10	7
					2 238	170	14	21	14	11	8
					3 198	142	11	18	12	10	7

CCZ - Complete Grey.

Table of Cables

Power Cables

Diameter and cross sections of commonly used cables
(Sizes may vary depending on manufacturer)

Type of Cable	Nominal Section (mm)	Diameter (mm)	Section (mm²)
H05 VV-F	2x0,75	7,6	58
H05 VV-F	2x1	8,0	64
H05 VV-F	2x1,5	9,0	81
H05 VV-F	2x2,5	11,0	121
H05 VV-F	3 G 0,75	8,0	64
H05 VV-F	3 G 1	8,4	71
H05 VV-F	3 G 1,5	9,8	96
H05 VV-F	3 G 2,5	12,0	144
H07 V-U	1x1,5	2,8	7,84
H07 V-U	1x2,5	3,4	11,56
H07 V-U	1x4	3,8	14,44
H07 V-U	1x6	4,4	19,36
H07 V-K	1x1,5	3,5	12
H07 V-K	1x2,5	4,2	18
H07 V-K	1x4	4,8	23
H07 V-K	1x6	6,3	40
H07 V-K	1x10	7,6	58
VV-0,6/1 KV	3x16+10	20,7	428
VV-0,6/1 KV	3x25+16	23,0	529
VV-0,6/1 KV	3x35+16	25,0	625
VV-0,6/1 KV	4 G 1,5	11,4	130

IT / Telephone Cables

Diameter and cross sections of some commonly used IT cables: UTP, STP, FTP, Coaxial.
(Sizes may vary depending on manufacturer)

Type of Cable	Diameter (mm)	Section (mm²)
4P UTP Cat. 5e Cable	6,2	37,5
4P FTP Cat. 5e Cable	6,9	47,2
4P UTP Cat. 6 Cable	7,6	57
4P FTP Cat. 6 Cable	8,3	68
RG 59 Cable Coaxial	6,2	38,4
RG 58 Cable Coaxial	5	25
RG 11 Cable Coaxial	10,5	110,3
RG 8 Cable Coaxial	10,3	106,1
RG 7 Cable Coaxial	8,1	65,6
RG 6 Cable Coaxial	7	49
TVHV 1x2x0,5 Cable	4,3	18,5
TVHV 2x2x0,5 Cable	5,0	25
TVHV 3x2x0,5 Cable	5,7	32,5
TVHV 6x2x0,5 Cable	6,5	42,3
TVHV 10x2x0,5 Cable	7,8	60,8
TVHV 15x2x0,5 Cable	8,7	75,7
TVHV 20x2x0,5 Cable	9,7	94,1
TVHV 30x2x0,5 Cable	12,0	144
TVHV 40x2x0,5 Cable	13,5	182,3
TVHV 50x2x0,5 Cable	15,0	225
TVHV 100x2x0,5 Cable	20,0	400

Trunking Selection Criteria

Examples for a Typical Installation:

Cables to install

Type of Cable	Quantity (Q)	Nominal Section (S)	Outside Diameter (D) (mm)	Unitary Section (SU) (SU= DxD)	Total Section (ST) (mm²) (SUxQ)
H07 V-U	20	1x4	3,8	14,44	288,8
H07 V-U	15	1x6	4,4	19,36	290,4
H07 V-U	10	1x2,5	3,4	11,56	115,6
H07 V-U	10	1x4	3,8	14,44	144,4
Total Section of Cables (St)					839,2 mm²
Minimum Trunking Size = Total Section of Cables (St) x K = 839,2 x 1,4 =					1174,88 mm²

Typical K values to ensure better ventilation, crossovers and possible expansion:

K = Filling coefficient

K = 1,4 for LV Cables

K = 1,3 for IT and Telephone Cables

K = 1,2 for Ducting

You may opt for the following EFAPEL trunking:

Trunking			
Reference	Description	Internal Section (mm²)	Available Section (mm²)
10080 HBR	110x34	3115	2225
14030 CBR	60x40	2014	1439

EN 50085-2-1 Standard

Section 6	Classification	Mini Cable Skirt		Distribution		
6.2	Resistance to impact for installation and application	12x7	0,5 J	Trunking		Accessories
		110x20	1 J	5 J		2 J
		16x10 / 20x12,5 / 25x16 / 32x12,5 / 32x16 / 40x12,5 / 40x16 / 40x25 / 50x20 / 60x16 / 75x20				
		20x12,5 / 32x12,5 / 32x16 / 40x12,5 / 40x16 / 50x20		2 J	5 J	2 J
6.3	Minimum stock and transport temperature	-25 °C		-45 °C		
6.3	Minimum installation and operation temperature	-5 °C		-25 °C		
6.3	Maximum operation temperature	60 °C		60 °C		
6.4	Flame propagation resistance	Non-flame propagation				
6.5	Electrical continuity	Without electrical continuity				
6.6	Electrical insulation characteristics	With electrical insulation				
6.7	Protection degree provided by the enclosure	IP44				
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside				
6.9	Access system to the retention of the cover	The cover can only be opened with a tool				
6.10	Electrical protective separation	With and without electrical protective partition (divider)				
6.101	Intended installation positions	Surface mounted, fixed in the wall or on the ceiling				
6.102	Prevention of contact between liquids and insulated conductors and live parts parts in the case of mounted in the skirting position and in wet floor	Not declared				
6.103	Type	3 (Installation)				
	Glow wire test	—		Trunking	Trunking accessories (derivation, angles, joint and top)	System Accessories (component with supplementary function e.g. sockets and their fixing accessories)
				1000 °C	1000 °C	650 °C
	Rated voltage	500 V ~		1000 V ~		
	IEC 60884-1 – NP 1260 Fixation of Low Voltage Devices - Extraction resistance test	—		Declared extraction force: 90 N 1,5x90 = 135 N		

Halogen Free

ASTM G-53 Standard
UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

EN 50085-2-2 Standard

Section 6	Classification	Floor Cable Trunkings
6.2	Resistance to impact for installation and application	2 J
6.3	Minimum stock and transport temperature	-25 °C
6.3	Minimum installation and operation temperature	-5 °C
6.3	Maximum operation temperature	60 °C
6.4	Flame propagation resistance	Non-flame propagation
6.5	Electrical continuity	Without electrical continuity
6.6	Electrical insulation characteristics	With electrical insulation
6.7	Protection degree provided by the enclosure	IP44
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside
6.9	Access system to the retention of the cover	The cover can only be opened with a tool
6.10	Electrical protective separation	With electrical protective partition (divider)
6.101.3	Floor treatment	CTS/CDS for wet-treatment of floor when the service unit is in use
6.102	Resistance to vertical load applied through small surface area	500 N
6.103	Resistance to vertical load applied through large surface area	2000 N
	Rated voltage	500 V ~

ASTM G-53 Standard

UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPEL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

EN 50085-2-1 Standard

Section 6	Classification	Trunkings for L45 Cover - Snap-ON		
6.2	Resistance to impact for installation and application	2 J		
6.3	Minimum stock and transport temperature	-45 °C		
6.3	Minimum installation and operation temperature	-15 °C		
6.3	Maximum operation temperature	60 °C		
6.4	Flame propagation resistance	Non-flame propagation		
6.5	Electrical continuity	Without electrical continuity		
6.6	Electrical insulation characteristics	With electrical insulation		
6.7	Protection degree provided by the enclosure	IP44		
6.8	Protection against corrosive or polluting substances	With medium protection outside and inside		
6.9	Access system to the retention of the cover	The cover can only be opened with a tool		
6.10	Electrical protective separation	With electrical protective partition (divider)		
6.101	Intended installation positions	Surface mounted, fixed in the wall or in the ceiling		
6.102	Prevention of contact between liquids and insulated conductors and live parts parts in the case of mounted in the skirting position and in wet floor	Not declared		
6.103	Type	3 (Installation)		
	Glow wire test	Trunking	Trunking Accessories (derivation, angles, joint and top)	System Accessories (component with supplementary function e.g. sockets and their fixing accessories)
		1000 °C	1000 °C	650 °C
	Rated voltage	1000 V ~		
	IEC 60884-1 – NP 1260 Fixation of Low Voltage Devices - Extraction resistance test	Declared extraction force: 90 N 1,5x90 = 135 N		

ASTM G-53 Standard

UV Resistant

Accelerated Ageing Chamber Test	Resistant
UV Test	80 h - without changes
Condensation test	40 h - without changes



RoHS - All the Cable-trunkings and the respective Accessories manufactured by EFAPL meet the specifications of Directive RoHS 2011/65/EU (including the addendum 2015/863) that restricts the use of certain hazardous substances like lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis (2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), diisobutyl phthalate (DIBP).

Protection Index (IK) - EN 50102 Standard
ETS 10 - Cable Trunkings for Electrical and Telecommunication Installations

Ref.	Outside Dimensions (mm)	Protection Against the Mechanical Impact - IK	
Mini Cable		Trunkings	Accessories
10010	12x7	05	05
10020	16x10	07	07
10030	20x12,5	07	07
		08	07
10450	25x16	07	07
10400 10410	32x12,5	07	07
		08	07
10040	32x16	07	07
		08	07
10050 10150	40x12,5	07	07
		08	07
10060 10160	40x16	07	07
		08	07
10480	40x25	07	07
10500 10510 10520	50x20	07	07
		08	07
10070 10170	60x16	07	07
10140	75x20	07	07
Snap-ON L45		Trunkings	Accessories
11020	100x50	08	07
11030	155x50		
11040	190x50		
Universal L75		Trunkings	Accessories
10080	110x34	09	08
		09	08
10090	110x50	09	08
		09	08
10180	90x50	09	08
		09	08
10290	180x50	09	08
		09	08
Skirt		Trunkings	Accessories
10100	110x20	05	05
Floor		Trunkings	Accessories
10110	50x12	07	06
10120	75x17		

Halogen Free