

Mesh trays, electro-galvanized

Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
Mesh trays, 45, 55 and 60 mm high				
Mesh cable tray, length 2.5 m. Size 75/55 available both made of \varnothing 4 and 5 mm wire, see dimension table below. Material: Steel, electro-galvanized.				
53/45	45/53/2500	175	7332227011136	1149113
75x4/55	55/75/2500	187	7332227011006	1149100
75x5/55	55/75/2500	290	7332227011105	1149110
120/60	60/120/2500	311	7332227011013	1149101
220/60	60/220/2500	430	7332227011020	1149102
320/60	60/320/2500	546	7332227011037	1149103
422/60	60/422/2500	757	7332227011143	1149114
522/60	60/522/2500	895	7321677886852	1149115
622/60	60/622/2500	1040	7321677886869	1149116
Mesh trays, 110 mm high				
Mesh cable tray, length 2.5 m. Material: Steel, electro-galvanized.				
120/110	110/120/2500	430	7332227011044	1149104
220/110	110/220/2500	546	7332227011051	1149105
320/110	110/320/2500	663	7332227011068	1149106
422/110	110/422/2500	895	7332227011075	1149107
522/110	110/522/2500	1044	7332227011082	1149108
622/110	110/622/2500	1083	7332227011099	1149109

Dimension table

Type	A mm	B mm	C mm	D mm	E mm	Ref. No.
Mesh tray 53/45	53	45	4	4	37	1149113
Mesh tray 75x4/55	75	55	4	4	59	1149100
Mesh tray 75x5/55	75	55	5	5	55	1149110
Mesh tray 120/60	120	60	5	5	100	1149101
Mesh tray 220/60	220	60	5	5	200	1149102
Mesh tray 320/60	320	60	5	5	300	1149103
Mesh tray 422/60	422	60	5	6	400	1149114
Mesh tray 522/60	522	60	5	6	500	1149115
Mesh tray 622/60	622	60	5	6	600	1149116
Mesh tray 120/110	120	110	5	5	100	1149104
Mesh tray 220/110	220	110	5	5	200	1149105
Mesh tray 320/110	320	110	5	5	300	1149106
Mesh tray 422/110	422	110	5	6	400	1149107
Mesh tray 522/110	522	110	5	6	500	1149108
Mesh tray 622/110	622	110	5	6	600	1149109

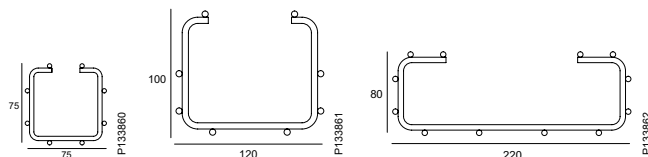
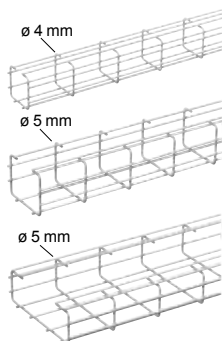
Steel mesh trays

Electro-galvanized

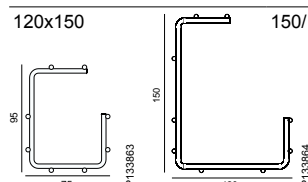
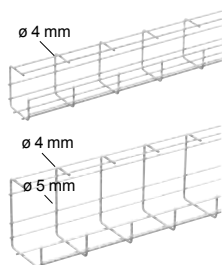
Corrosion class C1

C and G-Mesh trays

Type	Dimensions A/B/C mm	Weight kg/100 pcs	EAN code	Ref. No.
C-mesh trays				
C-shaped mesh cable tray, length 2.5 m, for use where mounting with long support distances (up to 4 metres) are needed. Material: Steel, electro-galvanized.				
75x75	75/75/2500	258	7332227011327	1149132
120x100	100/120/2500	437	7332227011334	1149133
220x80	80/220/2500	634	7332227011341	1149134

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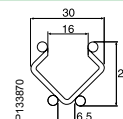
G-mesh trays				
G-shaped mesh cable tray, length 2.5 m, for installation in ceilings, onto walls, under desks and for mounting on cable ladders. Material: Steel, electro-galvanized.				
75x95	95/75/2500	256	7332227011389	1149138
120x150	150/120/2500	356	7332227011396	1149139

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P149849

Mini Mesh trays

Mini mesh trays B30-D				
Mini mesh tray for the routing of cables. Diamond-shaped for good guiding and protection. Mesh tray length 2 m, wire ø 3 mm. Material: Steel, electro-galvanized.				
B30-D	24/30/2000	50	7332227011129	1149112
Mini mesh trays B30-U				
Mini mesh tray in a space-saving U-shape for the routing of cables. Mesh tray length 2 m, wire ø 3 mm. Material: Steel, electro-galvanized.				
B30-U	15/46/2000	50	7332227011259	1149125
Mini mesh trays B30-I				
Mini mesh tray in a space-saving plane design for the routing of cables. Mesh tray length 2 m, wire ø 3 mm. Material: Steel, electro-galvanized.				
B30-I	6/60/2000	50	7332227011112	1149111

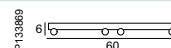
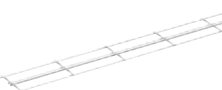
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Steel mesh trays




Electro-galvanized

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Fittings

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
Fitting B1						
P140956	Fitting to be used as a wall bracket. It can also be mounted over the centre wires as a carrier of lighting fittings. Can also be used in 90 degree angles or as a joining fitting. Delivered without bolt and nut. Material: Steel, electro-galvanized.					
	B1	40/5/80		4,8	7332227011549	1149154
Fitting B2						
P140957	Fitting to be used to join mesh trays. Can also be used in 90 degree angles. Delivered without bolt and nut. Material: Steel, electro-galvanized.					
	B2	35/7/25		2	7332227011556	1149155
Fitting B3						
P140958	Fitting to be used when jointing wires in horizontal and vertical bends, in four-way and tee-junctions, etc. Delivered with bolt and nut. Material: Steel, electro-galvanized.					
	B3	20/29/23		4	7332227011563	1149156
Angled fitting B27						
P140959	Angled fitting for creating T-junctions or for connections to wall, ceiling and floor. Also for bends with adjustable angle. Material: Steel, electro-galvanized.					
	B27	85/40/85		13	7332227011693	1149169
Mounting coupler B20						
P140963	Mounting coupler to be used for joining and mounting of mini mesh trays. Material: Steel, electro-galvanized.					
	B20	9/19/85		2	7332227011310	1149131
Joining set B52						
P140960	Pre-assembled joining fitting including Fittings B1 and B2, Bolt and Nut B13. Used to join the side sections of all mesh trays. Material: Steel, electro-galvanized.					
	B52	41/25/80		8	7332227011532	1149153
Bolt and nut B13						
P141021	Bolt and nut M6x25. Tensi-lock and flange nut M6. Material: Steel, electro-galvanized.					
	B13, 50+50 pcs	30/18/18		0.56/bag	7332227011846	1149184
	B13, 250+250 pcs	30/18/18		2.82/bag	7332227011853	1149185

Brackets




Bracket B4/B4 Mini						
P140961	Bracket to be used for the mounting of mesh trays 53-622 onto wall and floor. Material: Steel, electro-galvanized.					
	B4	85/30/95		14	7332227011570	1149157
P140962		B4 Mini	53/23/55	6	7332227011983	1149198
Bracket B9						
P140964	Bracket to be used for the mounting of mesh trays onto walls and pendants. Material: Steel, electro-galvanized.					
	B9/75-120	120/180/40		40	7332227011211	1149121
	B9/220	120/280/40		52	7332227011228	1149122
	B9/320	120/380/40		64	7332227011235	1149123
	B9/422	142/480/40		83	7332227011242	1149124
	B9/522	130/580/50		160	7332227011952	1149195
	B9/622	130/680/50		186	7332227011969	1149196

Steel mesh trays








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Pendants

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
 P140988	Pendant B12L					
	Pendant for light installations. Mounted with M8/M10 bolt. Telescopic extension with B19. Material: Steel, electro-galvanized.					
	B12L/250	250/145/60		65	7332227011365	1149136
	B12L/500	500/145/60		100	7332227011464	1149146
 P140989	Pendant B12					
	Pendant for heavy installations. Mounted with M8/M10 bolt. Telescopic extension with B19. Material: Steel, electro-galvanized.					
	B12/250	250/142/142		115	7332227011488	1149148
	B12/500	500/142/142		188	7332227011501	1149150



Ceiling and joining fittings, support

 P140970	Ceiling fitting B23					
	Adjustable ceiling fitting for mounting onto a straight or a sloping ceiling. Material: Steel, electro-galvanized.					
	B23	53/150/150		42	7332227011648	1149164
 P140971	Extension B19					
	Extension for telescopic extension of Pendant B12 , B12L and for mounting onto Ceiling fitting B23. Material: Steel, electro-galvanized.					
	B19	1000/25/61		170	7332227011617	1149161
 P140972	Joining fitting B24					
	Joining fitting for Extension B19 and mounting onto Ceiling fitting B23. Material: Steel, electro-galvanized.					
	B24	200/20/55		28	7332227011655	1149165
 P140973	Side support B10					
	Side support intended to increase stability of a pendant with assymetrical load. Material: Steel, electro-galvanized.					
	B10	997/40/20		93	7332227011495	1149149
 P140974	Ceiling fitting, universal B46					
	Universal ceiling fitting intended for mounting of Threaded rod B41 onto ceiling. Material: Steel, electro-galvanized.					
	B46	75/30/60		9	7332227014748	1149474
 P140975	Ceiling fitting, flexible B47					
	Flexible ceiling fitting that adapts to the inclination of the ceiling. Delivered complete with Tensi-lock flange nut. Material: Steel, electro-galvanized.					
	B47/M8	65/65/65		12	7332227014755	1149475
	B47/M10	65/65/65		13	7332227014762	1149476
 P140976	Ceiling clamp B48					
	Ceiling clamp for hole dimension Ø 22 mm. Delivered complete with Tensi-lock nut and washers. Material: Steel, electro-galvanized.					
	B48/M8	20/20/75		6	7332227014724	1149472
	B48/M10	20/20/75		7	7332227014731	1149473

Support hooks





	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
Support hook B35/120-220						
P140977	Support hook intended for 120-220 mm mesh trays. Material: Steel, electro-galvanized.					
	B35/120-220	120/50/95		30	7332227011198	1149119
Support hook B35/320-422						
P140978	Support hook intended for 320-422 mm mesh trays. Material: Steel, electro-galvanized.					
	B35/320-422	110/50/290		52	7332227011204	1149120
Support hook B35/422-622						
P140979	Reinforced support hook intended for 422-622 mm mesh trays. Material: Steel, electro-galvanized.					
	B35/422-622	120/50/410		105	7332227011303	1149130
Support hook B39						
P140980 P140981	Support hook for mounting onto a Threaded rod. For tray widths 120-220 and 320-422 respectively. Material: Steel, electro-galvanized.					
	B39/120-220	25/50/95		8	7332227011174	1149117
	B39/320-422	25/50/290		30	7332227011181	1149118

Threaded rods

Threaded rod B41						
Threaded rod according to metric standard 6G. Material: Steel, electro-galvanized.						
P140075		B41/M8	8/8/1000	31	7332227014519	1149451
			8/8/2000	63	7332227014526	1149452
P140076		B41/M10	10/10/1000	49	7332227014618	1149461
			10/10/2000	98	7332227014625	1149462

Nuts, locks, clamps

Flange, Lock, Beam


P140154		Flange nut to be mounted onto Threaded rod B41 in order to lock it to the Support hook and the Ceiling fittings. Material: Steel, electro-galvanized.				
		B43/M8, 50 pcs	8/17/17	0.4/bag	7321677888474	1149405
		B43/M10, 50 pcs	15/20/20	0.56/bag	7332227014649	1149464
P140155		Distance nut to be used when joining Threaded rods. Material: Steel, electro-galvanized.				
		B42/M8	30/15/15	1	7332227014557	1149455
		B42/M10	40/20/20	2	7332227014656	1149465
P140094		Thread lock to be used when joining Threaded rods. Material: Steel, electro-galvanized.				
		B50/M8	35/10/20	1	7332227014564	1149456
		B50/M10	35/12/24	2	7332227014663	1149466
P133793		Beam clamp intended for mounting onto a beam. Material: Zinc, electro-galvanized.				
		B49	60/43/20	14	7332227014717	1149471

Steel mesh trays

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Accessory holders

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
P140982	Accessory holder B5 Mini					
	Accessory holder with a universal hole pattern for the mounting of a variety of boxes and outlets. The holder is easy to mount in different directions and angles on a mesh tray. The holder is tightened to the mesh tray by closing the grip around the wires. Material: Steel, electro-galvanized.					
	B5 Mini	140/24/170		20	7332227011372	1149137
P140983	Accessory holder B5					
	Accessory holder without holes or with a universal hole pattern for the mounting of a variety of boxes and outlets. The holder is easy to mount in different directions and angles on a mesh tray. The holder is tightened to the mesh tray by closing the grip around the wires. Material: Steel, electro-galvanized.					
	B5 with holes	120/28/230		43	7332227011587	1149158
P140984	B5 without holes	120/28/230		46	7332227011686	1149168

Accessories


P140987	Plate cover B7					
	Mesh tray plate cover, to be mounted with Clips B8, 4 pcs / cover. For tray widths acc. to the type designation. Cover length 1250 mm. Material: Steel, pre-galvanized.					
	B7/75	17/80/1250		80	7332227012706	1149270
	B7/120	17/125/1250		117	7332227012713	1149271
	B7/220	17/225/1250		174	7332227012720	1149272
	B7/320	17/325/1250		239	7332227012737	1149273
P140991	Clip B8					
	Clip intended to mount Plate cover B7 on a mesh tray, 4 pcs/cover. Material: Stainless steel AISI316L.					
	B8	10/20/30		1	7332227013796	1149379
P140992	Separating plate B36 and Plate holder B38					
	Separating plate for simple joining by entering Plates into each other. Plate holder B38 is used to mount Separating plate B36 onto a mesh tray. Material: Steel, pre-galvanized.					
	B36	38/4/2400		65	7332227012768	1149276
P140993	Plate holder B38					
	Plate holder to be used for mounting of Separating plate B36, 5 pcs/Separating Plate. Material: Zinc, electro-galvanized.					
	B38	50/15/20		3	7332227012898	1149289
P140994	Separating plate B26					
	L-shaped separating plate, fixed to the mesh tray by bending the flaps around the transversal wires. Material: Zinc, pre-galvanized.					
	B26, L-shaped	40/30/2500		114	7332227012782	1149278
P140996	Tele-channel B6					
	Tele-channel to be fixed to the mesh tray by bending the flaps around the transversal wires. Material: Steel, pre-galvanized.					
	B6	40/50/2500		195	7332227012478	1149247

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





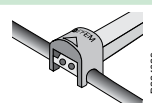



Corrosion class C1

Accessories

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
Combi-fittings B21						
P140021	Combi-fitting to be mounted onto cable ladders. Material: Steel, electro-galvanized.					
	B21	250/50/20		44	7332227011594	1149159
P140022	B21 90 degrees	120/50/135		44	7332227011914	1149191
Support B33						
P140988	Support to be used for mounting of all mesh trays on the floor, for example under a raised floor. The height of B33 Support is adjustable from 215 to 370 mm. The upper or lower part can be adjusted in a 90° angle. Material: Steel, electro-galvanized.					
	B33	215/100/220		169	7332227011358	1149135
Conveyor bracket B17						
P140989	Universal fitting to be used when mounting mesh trays along conveyor systems. Material: Steel, electro-galvanized.					
	B17	35/450/35		52	7332227011921	1149192
Fixing for Canalis KBA and KBB						
P131609 P131608	Fixing bracket to fix Canalis busbar trunking to the mesh trays. Hole for M6 on top, dia. 6.5 mm. Maximum load 60 kg. Material: Steel, pre-galvanized.					
	For Canalis KBA	78/38/52.5		65	3606480461590	CSU794592
	For Canalis KBB	78/38/68.5		78	3606480461606	CSU794593
Earth connection clamp B18						
P141000	Earth connection clamp to be used to mount earth cable onto a chosen wire of the mesh tray. Material: Brass, electrolytically nickel coated.					
	B18	15/30/15		2	321677887163	1149180
End plugs 28K, 28L, 28M						
P135759 P135760 P135761	End plug to be mounted on Pendant B12/B12L and on Extension B19 respectively, see below. Intended to provide protection against personal injuries and to make the the ends of the profiles more conspicuous. Material: PP/TPE, orange.					
	28K For Pendant B12	24/33.5/75		1.25	3606480457548	CSU794521
	28L For Pendant B12L	20/20/60		0.7	3606480457555	CSU794522
	28M For Extension B19	20/26/66		0.86	3606480457562	CSU794523
Safety cap B32						
P141001	Safety cap of halogen-free and flame-proof plastic material. To be mounted onto wires sticking out. Bag with 100 pcs. Material: PE.					
	B32/3	5/8/5		5	7332227013895	1149389
	B32/4	8/10/8		5	7332227013888	1149388
	B32/5	8/10/8		4	7332227013666	1149366
	B32/6	8/10/9		3	7332227013673	1149367
Mounting spacer B22						
P141002	Plastic spacer that fits all mini mesh-tray dimensions. Mounted by snapping the spacer onto the bottom wires. For 3 mm wire diameter. Bag with 10 pcs. Material: PE.					
	B22	6/18/18		1.4	7332227015233	1149523



Accessories


	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
Bend plate B31						
P141003	Bend plate for smooth bending of cables when changing level. For tray widths 120, 220, 320 and 422 mm respectively. Material: Aluminium.					
	B31/120	5/290/90		4	7332227012263	1149226
	B31/220	5/290/190		9	7332227012270	1149227
	B31/320	5/290/290		13	7332227012287	1149228
	B31/422	5/290/390		17	7332227012294	1149229
Side radius limiter B11						
P141004	Radius limiter to be used for limiting the side bend radius of any cable type. R = 40 mm. Material: Steel, pre-galvanized.					
	B11/5 for mesh trays 75x5-320 mm	120/40/215		24	7332227014380	1149438
	B11/6 for mesh trays 422-622 mm	120/40/215		24	7332227014397	1149439
Radius limiter B34						
B324734	Radius limiter that limits the bend radius for sensitive cables. The radius limiter is mounted from below by using the locking stick. Material: Steel, pre-galvanized.					
	B34/75	40/80/75		8	7332227014373	1149437
	B34/120	40/80/115		10	7332227014311	1149431
	B34/220	40/80/215		21	7332227014328	1149432
	B34/320	40/80/315		32	7332227014335	1149433
	B34/422	40/80/415		43	7332227014342	1149434
	B34/522	40/80/515		55	7332227014359	1149435
	B34/622	40/80/615		65	7332227014366	1149436
Radius limiter B67, Cover B68						
P141006 P141005	Radius limiter that limits the bend radius and gives protection at side position. The radius limiter is mounted from below by using the locking stick. Cover B68 is used for extra protection of cables < 2 mm. Material: Steel, pre-galvanized.					
	B67/75	40/150/75		13	7332227014427	1149442
	B68/75	10/25/60		1	7332227014823	1149482
	B67/120	40/150/115		18	7332227014434	1149443
	B68/120	10/25/102		2	7332227014830	1149483
	B67/220	40/150/215		30	7332227014441	1149444
	B68/220	10/25/202		4	7332227014847	1149484
	B67/320	40/150/315		42	7332227014458	1149445
	B68/320	10/25/302		6	7332227014854	1149485
	B67/422	40/150/415		53	7332227014465	1149446
	B68/422	10/25/402		8	7332227014861	1149486
	B67/522	40/150/515		65	7332227014472	1149447
	B68/522	10/25/502		10	7332227014878	1149487
	B67/622	40/150/615		77	7332227014489	1149448
	B68/622	10/25/602		12	7332227014885	1149488
AS-I clip B14						
P141008	Plastic clip, oil and UV-resistant, intended for the fixing of AS-I cable. For mesh tray wire diameter 4 and 5 mm respectively. The grey clip is also used for mounting onto Fixing plate B15. Package of 100 pcs. Material: POM.					
	B14, blue For 4 mm wire	10/15/14		10	7332227015202	1149520
P141009		B14, grey For 5 mm wire	10/15/14	10	7332227015219	1149521
Fixing plate B15						
P141010	Plastic plate, oil and UV-resistant, intended for mounting of cable or hose onto machines for example. The cable is mounted onto the fixing plate with Cable clips B14 or B16. Package of 100 pcs. Material: POM.					
	B15, grey	5/15/15		7	7332227015226	1149522

Steel mesh trays

Electro-galvanized

Corrosion class C1

Accessories

	Type	Dimensions A/B/C mm		Weight kg/100 pcs	EAN code	Ref. No.
P141011 P141012 P141013 B225157	Cable clip B16					
	Plastic clip, oil and UV-resistant, intended for mounting of cable or hose, Ø 6, 8 or 10 mm respectively, onto a 5 mm mesh tray wire. Can also be used to mount cable or hose onto Fixing plate B15. Package of 100 pcs. Material: POM.					
	B16, grey, Ø 6 mm	10/16/15		11	7332227015257	1149525
	B16, black, Ø 8 mm	10/16/15		10	7332227015264	1149526
B225157	B16, white, Ø 10 mm	10/16/15		9	7332227015271	1149527
	Velcro B51					
	Velcro tape intended to attach bundles of cables onto a mesh tray. Length 22.8 m, colour black.					
	B51/10	10/22.8		16	7332227186506	1518650
P133791 P141014 P133792 P141015	B51/20	20/22.8		32	7332227186513	1518651
	Marking clip B44					
	Plastic marking clip, flame-resistant, to be snapped onto the two side wires of the mesh tray. The Equipotential Bonding clip is available in Swedish, English and German. Package of 10 pcs. Material: ABS.					
	B44	40/10/90		1	7332227014274	1149427
P141016 P141017 P141018 P141019 P141020	B44/Potentialutjämning, SE	40/10/90		1	7321677888566	1149428
	B44/Equipotential Bonding, GB	40/10/90		1	7321677888573	1149429
	B44/Potentialausgleich, DE	40/10/90		1	7321677888580	1149430
	Identification tag B40					
	Identification tag to be snapped onto mesh tray wires of Ø 5 mm. Package of 10 pcs. Material: ABS.					
P141007 B224843 B224769	B40/Opto	35/8/43		1	7332227014205	1149420
	B40/Coax	35/8/43		1	7332227014212	1149421
	B40/Pair	35/8/43		1	7332227014229	1149422
	B40/Neutral	35/8/43		1	7332227014236	1149423
	B40/Pow	35/8/43		1	7332227014243	1149424

Tools

P140077	Cable roller B25					
	Cable roller intended to facilitate the pulling of cables into the mesh trays. Mounted on the mesh tray by pulling the black knob outwards. When the cable pulled by the cable roller has reached the desired distance, it is moved to the tray by pushing the small metal button to open the cable roller and removing it. Material: Stainless steel AISI316L, plastic.					
B224843	B25	210/130/40		35	7332227019552	1653955
	Bolt cutter B28					
B224769	Bolt cutter with angled clipper cut head for narrow and clean cuts of mesh tray wires.					
	B28	140/40/630		272	7332227239981	1623998
	Spanner B45					
	10 mm combination spanner, open end/flex head end. Material: Chrome vanadium steel.					
	B45	15/15/180		7	7332227222006	1622200

The right surface treatment

– crucial for a successful outcome

A cable support installation is considered to be a long-lasting solution and the life expectancy is dependent on the environment in which it is placed. A thorough investigation of the setting in terms of corrosion, pollution, humidity, salt, sanitary regulations etc will help you make the best choice. Our range of mesh trays and accessories covers all types of surface treatments, enabling a reliable, cost-efficient and long-lasting cable support solution.

C1 Electro-galvanized

Indoor environments: Schools, shops, hotels, offices, sports halls etc.

- Very low environmental corrosion.
- Heated areas.
- Arid atmosphere.
- Insignificant quantities of pollutant.
- DIN 50961/ISO 2081.



C2 Pre-galvanized

Partly outdoor environments: Industries, sports halls, warehouses, shops, rural outdoor areas etc.

- Low environmental corrosion.
- Non-heated areas with fluctuating levels of temperature and humidity.
- Few instances of condensation and low levels of airborne pollution.
- SS-EN 10327:2004.



C3 Hot-dip galvanized

Indoor- and outdoor environments: Urban and light industrial areas, breweries, dairies, laundries etc.

- Average environmental corrosion.
- Areas with average levels of humidity and some airborne pollution caused by production processes.
- Atmospheres containing some salt or average levels of airborne pollution.
- EN-ISO1461:2009



C4 Hot-dip galvanized

Indoor- and outdoor environments: Chemical plants, industrial and coastal areas, swimming pools, farms, dockyards etc.

- High environmental corrosion.
- Areas with high levels of humidity and considerable air-born pollution.
- Atmospheres with average salt content or discernible levels of airborne pollution.
- EN-ISO1461:2009.



P134672

C5-I Stainless steel AISI 304

Indoor- and outdoor environments: Chemical and heavy industries, tunnels, swimming pools, dockyards etc.

- Very high (industrial) environmental corrosion.
- Areas with almost permanent condensation, large quantities of airborne pollution, high levels of humidity and aggressive atmospheres.
- SS2333 RF/AISI 304



P134675

C5-M Stainless steel, AISI 316L

Indoor- and outdoor environments: Heavy industries, coastal and offshore areas, purifying plants etc.

- Very high (marine) environmental corrosion.
- Areas with almost permanent condensation and large quantities of airborne pollution. Atmospheres with high salt content.
- SS2348 SF/AISI 316L



P134676

The life expectancy of a cable support system is dependent on the environment in which it is placed. Therefore, it is important to establish the corrosive properties of an environment to ensure that the right treatment and the right material are chosen. The table below shows various corrosion classes. As a guide, we have included the surface treatment recommended by Schneider Electric for the different classes.

On the next page, we briefly outline the various surface treatments and materials.

As regards environmental corrosion, a steel design component can usually be assigned to one of the corrosion classes (C1 to C5-M) as shown in table A. Reference values for the average level of corrosion in steel and zinc are given in table B.

The corrosion classes comply with those stipulated in SS-EN ISO 12944-2.

Table A

Corrosion classes as stipulated by SS-EN ISO 12944-2 with atmospheric corrosion levels and examples of the environment in which they are most suitable for use.

Corrosion class	Environmental corrosion	Examples of typical environments in temperate climates (informative)		Schneider Electric designation
		Outdoors	Indoors	
C1	Very low	–	Heated areas with arid atmosphere and insignificant quantities of pollutant, e.g. offices, shops, schools and hotels.	Electro-galvanized DIN 50961/ISO 2081
C2	Low	Atmospheres with low levels of airborne pollution. Rural areas.	Non-heated areas with fluctuating levels of temperature and humidity. Few instances of condensation and low levels of airborne pollution, e.g. sports halls and warehouses.	Pre-galvanized Z 275 in accordance with SS-EN 10327:2004
C3	Average	Atmospheres containing some salt or average levels of airborne pollution. Urban and light industrial areas. Areas affected by coastal conditions.	Areas with average levels of humidity and some airborne pollution resulting from production processes, e.g. breweries, dairies, laundries.	Hot-dip galvanized after manufacture in accordance with EN-ISO 1461:2009
C4	High	Atmospheres with average salt content or discernible levels of airborne pollution. Industrial and coastal areas.	Areas of high humidity and considerable airborne pollution as the result of production processes, e.g. chemical plants, swimming pools and dockyards.	
C5-I	Very high (industrial)	Industrial areas with high levels of humidity and aggressive atmospheres.	Areas with almost permanent condensation and large quantities of airborne pollution.	Zinkpox® HDG+powder coating* Stainless steel SS2333 AISI 304
C5-M	Very high (marine)	Coastal and offshore areas with high salt content.	Areas with almost permanent condensation and large quantities of airborne pollution.	Stainless steel SS2348 AISI 316L

* Only for Cable Ladders and Cable Trays

** Only for Cable Ladders

Table B

Mass losses for steel and zinc in various corrosion classes

Corrosion class	Mass loss per surface unit and thickness reduction (1 year of exposure) ¹			
	Steel		Zinc	
	Mass loss (g/m ²)	Thickness reduction (µm)	Mass loss (g/m ²)	Thickness reduction (µm)
C1	≤ 10	≤ 1.3	≤ 0.7	≤ 0.1
C2	> 10 to 200	> 1.3 to 25	> 0.7 to 5	> 0.1 to 0.7
C3	> 200 to 400	> 25 to 50	> 5 to 15	> 0.7 to 2.1
C4	> 400 to 650	> 50 to 80	> 15 to 30	> 2.1 to 4.2
C5-I	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4
C5-M	> 650 to 1500	> 80 to 200	> 30 to 60	> 4.2 to 8.4

¹ Corrosion speed is generally higher when the material is first exposed