

ELECTRICAL COMPONENTS

Wire Managment

Cable Ties and Accessories
 Cable and Conduit Clamps
 Wire Duct - Flexible Duct
 Spiral Wrapping Band

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Cable Ties & Accessories



ITC's comprehensive range of high quality cable ties offers an affordable means of bundling and securing wires, cables and conduit in any electrical installation. Our CSA and UL approved cable ties are manufactured from high-grade nylon and feature bent rounded tips for quick application either by hand or the Exac-tite Tensioning/Cutting Tools.

Mounting bases and tie-mount marker tags are also available to facilitate the routing and identification of the wiring.

Features and specifications:

- Colours: white (natural), black and black UV-resistant
- Lengths: 80 to 1224mm (3.2 to 48")
- Operating Temperature: -40 to 85°C; maximum 110°C
- Plenum rating: AH-2
- Material: PA 6.6 UL94V2
- Approvals: CSA type 21 (# 207196), cULus type 2,21,21S (# E168851)

Standard Cable Ties

Standard Cable Ties (Order by Part No.)

Part No. (natural)	Part No. (black UV)	Approvals	Len	igth	Wie	ith	Bur	mum Idle Ieter	Tensile Strength	Pack	Tool
· · ·			in	mm	in	mm	in	mm	lb / kg		
260.008m^	-	()	3.2	80	0.10	2.5	0.45	11.0	18 / 8	1000	
260.010c	262.010c	()	4.0	104	0.095	2.4	0.87	22.2	18 / 8	100	
260.010m	262.010m	()	4.0	104	0.095	2.4	0.87	22.2	18 / 8	1000	
260.015c	262.015c	()	6.0	156	0.095	2.4	1.50	38.1	18 / 8	100	
260.015m	262.015m	()	6.0	156	0.095	2.4	1.50	38.1	18 / 8	1000	
260.020c	262.020c	()	8.0	207	0.095	2.4	2.18	55.0	18 / 8	100	
260.020m	262.020m	()	8.0	207	0.095	2.4	2.18	55.0	18 / 8	1000	
260.112c	262.112c	()	5.0	130	0.14	3.2	1.43	36.5	40 / 18	100	5
260.112m	262.112m	()	5.0	130	0.14	3.2	1.43	36.5	40 / 18	1000	- 0 0
260.120c	262.120c	()	8.0	207	0.14	3.6	2.37	60.3	40 / 18	100	•
260.120m^	262.120m^	()	8.0	207	0.14	3.6	2.37	60.3	40 / 18	1000	1
260.129c	262.129c	()	11.0	279	0.14	3.6	3.37	85.7	40 / 18	100	0
-	262.129m	()	11.0	279	0.14	3.6	3.37	85.7	40 / 18	1000	
260.137c	262.137c	()	14.0	355	0.14	3.6	4.00	101.0	40 / 18	100	
260.219c	262.219c	()	7.5	192	0.18	4.8	1.87	47.5	50 / 22	100	
260.219m	262.219	()	7.5	192	0.18	4.8	1.87	47.5	50 / 22	1000	
260.228c	262.228c	()	11.0	285	0.18	4.8	3.00	77.7	50 / 22	100	
260.239c	262.239c	()	14.0	355	0.18	4.8	4.00	101.6	50 / 22	100	
260.243c	262.243c	()	17.0	432	0.18	4.8	4.75	120.6	50 / 22	100	
260.320c	-	()	8.0	207	0.30	7.6	2.06	52.3	120 / 55	100	
-	262.337c^	()	14.0	355	0.30	7.6	4.06	103.0	120 / 55	100	5
260.338c	262.338c	()	15.0	380	0.30	7.6	4.06	103.0	120 / 55	100	- 0 0
-	262.345L	()	18.0	459	0.31	8.0	5.25	133.5	120 / 55	50	•
260.361L	262.361L	()	24.0	620	0.30	7.6	7.00	177.8	120 / 55	50	1
-	262.480c^	()	31.0	791	0.34	8.6	11.00	279.4	175 / 80	100	1
260.499L	262.499L	()	48.0	1224	0.34	8.6	14.50	368.0	175 / 80	50	

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Cold Weather Cable Ties

A special additive allows these cable ties to be more flexible compared to standard cable ties during the installation process. Ideal for applications where cable ties are left outside during cold weather.



- Applications: environments subject to extremely cold temperatures (both storage and installation), food processing, outdoor use.
- Operating temperature:
 - Minimum installation temperature: -40°C (-40°F)
 - Minimum operating temperature: -40°C (-40°F)
 - \circ Maximum operating temperature: +65°C (+149°F)

Cold Weather Cable Ties (Order by Part No.)

Part No.	Approvals	Ler	igth	Wie	dth	Bu	imum ndle neter	Tensile Strength lb/kg	Pack	Tool
		in	mm	in	mm	in	mm	ID/Kg		
266.219C	()	7	178	0.18	4.8	1.87	47.5	50/22		
266.228C	()	11	280	0.18	4.8	3.00	77.7	50/22	100	500.110
266.239C	()	14	356	0.18	4.8	4.00	101	50/22		
266.338C	()	14	356	0.30	7.6	4.06	101	120/55	100	500.111

Information subject to change without notice

Mounting-Hole Cable Ties

These ties are manufactured with a mounting hole for quick fixing to the panel.



Mounting-Hole Cable Ties (Order by Part No.)

Part No. (natural)	Approvals	Length		Width		Bur	mum Idle Ieter	Hole Size	Tensile Strength	Pac k	Tool
. ,		in	mm	in	mm	in	mm	Stud/mm	lb/kg		
263.115c	Str : Uus	5.0	127	0.13	3.5	1.25	31.7	#8 / 4	30 / 18		
263.221c	St cUus	7.0	179	0.17	4.5	1.75	44.4	#10 / 5	50 / 22	100	500,110
263.237c	St cUus	14.0	355	0.17	4.5	4.00	101.6	#10 / 5	50 / 22	100	500.110
263.337c	St c(UL)us	14.0	355	0.30	7.6	4.00	101.0	1/4" / 6.4	120 / 55		

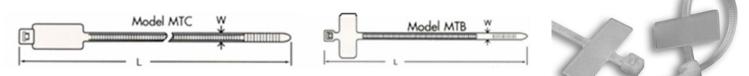
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I.D. Cable Ties

These ties are manufactured with a pre-molded tag for marking of the bundle, cable or conduit.



I.D. Cable Ties (Order by Part No.)

Part No. (natural) Approvals		Len	igth	Wi	dth		n Bundle neter	Tensile Strength	Model	Pack	Tool
(flacul al)		in	mm	in	mm	in	mm	lb/kg			
264.010c	.91	4.0	101	0.10	2.5	0.75	19.0	18 / 8	МТВ	100	
264.020m^	177.	7.7	196	0.10	2.5	1.97	50.0	18 / 8	MTB	1000	500.110
264.219c	17	7.0	179	0.18	4.6	1.89	40.0	50 / 22	мтс	100	500,110
264.227c	.91	14.0	355	0.19	4.8	2.95	75.0	50 / 22	мтс	100	

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Stainless-Steel Cable Ties

Features and specifications:

- Ideal Applications: harsh, corrosive, and salt-water environments, chemical and radiation exposure, temperature extremes, food processing, and vibrating equipment with high mechanical requirements
- Ball Locking mechanism provides ease of insertion and high tensile strength of cable ties
- Material: 316 Stainless steel
- Approvals: cULus type 2 (# E244590)



Uncoated Stainless-Steel Cable Ties (Order by Part No.)

Part No.	Approvals	Len	gth	Wie	dth	Bu	imum ndle neter	Tensile Strength	Pack	Tool
		in	mm	in	mm	in	mm	lb/kg		
265.315c	c@us	6.0	150	0.19	4.8	0.85	20	150/68		
265.320c	c@us	8.0	200	0.19	4.8	2.00	51	150/68		
265.339c	շ®us	14.0	365	0.19	4.8	4.00	101	150/68		
265.350c	c@us	20.0	500	0.19	4.8	5.50	139	150/68	100	500.112
265.415c	c@us	6.0	150	0.30	7.5	0.85	20	300/136	100	500.112
265.420c	c��us	8.0	200	0.30	7.5	2.00	51	300/136		
265.439c	c��us	14.0	365	0.30	7.5	4.00	101	300/136		
265.450c	c@us	20.0	500	0.30	7.5	5.50	139	300/136		

Information subject to change without notice



Cable Tie Tightening Tools

ITC cable tightening tools are cost-effective, safe and practical. Minimal effort is required in operation.

Tighten and cut with one tool: Insert the cable tie into its appropriate slot and ratchet it tight by depressing the trigger of the tool. The EXAC-TITE and AP-900 will automatically cut off the tie once it has reached its optimal tension, while the TG6 needs only quick depression of the cutting handle to cut off the excess tie.



Features and specifications:

- Versatility:
 - Model EXAC-TITE: automatic flush cut-off on 18-50 lbs. tensile strength cables, 2.2-4.8mm (~ 3/32--3/16") wide.

Adjustable in 3 levels of tension to avoid over or under tightening.

- Model TG6: manual flush cut-ff on cable ties up to 175 lbs. tensile strength, and up to 9mm wide.
- **Model AP900:** automatic cut-off on 100-300 lbs. <u>stainless steel</u> cable ties. Adjustable in 4 levels of tension.
- Sturdiness: the metal body and the oversized moving parts make these tools extremely durable in normal service

Part No.	Model	Cable tie type	Cable Tie width	Length	Weight
500.110	EXAC-TITE	PA 6.6 (Nylon) / plastic; 18-50 lbs.	2.2 - 4.8mm	160mm (6.3")	300g; (0.66 lbs.)
500.111	TG6	PA 6.6 (Nylon) / plastic; 18-175 lbs.	3.6 - 9mm	195mm (7.7")	290g; (0.63 lbs.)
500.112	AP900	Stainless Steel; 100-300 lbs.	-	180mm (7.1")	500g; (1.1 lbs.)

Cable Tie Tools (Order by Part No.)

Information subject to change without notice





Mounting Bases for Cable Ties

ITC offers several models of accessories and devices to mount Cable Ties in any type of wiring installation.

Features and specifications:

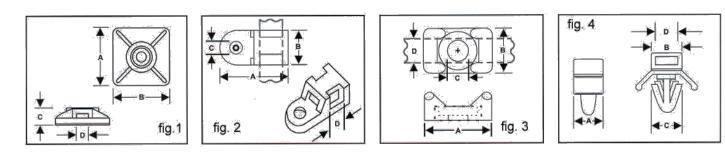
- Colours: Natural (white) or Black
- Material: Flame retardant Polyamide 6 (Nylon) UL94V2
- Adhesive: _____ (see table below for products with adhesive)
- Operating Temperature, adhesive bases: 18 to 70°C
- Appovals, adhesive bases: CSA type 11 (# 207196), cULus type 11 (# E168851)

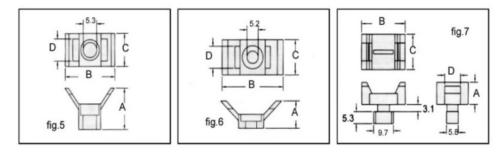


	Part						Dimens	ions					
Part No. (natural)	No.	Appr.	Туре		4	E	3	C		D		Pack	Fig.
(nacurat)	(black)			in	mm	in	mm	in	mm	in	mm		
269.011	269.021	()	Adhesive back	0.75	19.0	0.75	19.0	0.19	4.9	0.177	4.5		1
269.012	269.022	()	Adhesive back	1.10	28.0	1.10	28.0	0.20	5.0	0.200	5.0		1
269.031			Push-mount	0.25	6.4	0.24	6.1	0.19	4.8	0.157	4.0		4
269.032			Push-mount	0.39	10.0	0.41	10.6	0.25	6.2	0.319	8.1		4
103.000			Saddle	0.75	19.0	0.38	9.5	0.14	3.5	0.200	5.0		2
103.001			Saddle	0.59	15.0	0.39	10.0	0.12	3.0	0.200	5.0	100	3
103.002	n.a.		Saddle	0.90	23.0	0.63	16.0	0.24	6.0	0.350	9.0		3
103.003			Saddle	0.69	17.5	0.90	23.0	0.54	13.8	0.374	9.5		5
103.004			Saddle	0.46	11.6	1.18	30.0	0.58	14.7	0.366	9.3]	6
269.050			Mount on Alum. profile	0.38	9.7	0.84	21.3	0.61	15.5	0.382	9.7		7

Mounting Bases (Order by Part No.)

Information subject to change without notice







General Purpose Clamps

Strap-Type Wire and Cable Clamps

These simple to use, economical wire management devices provide support for cables, conduit, wire, wire bundles and hydraulic/pneumatic tubing. The inside edges of the clamps are smooth, to protect the cable or wire insulation.

Applications:

- Electrical, electronic and Mechanical panels
- Machinery
- Light duty Hydraulic and Pneumatic equipment

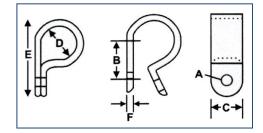
Features and specifications:

- Cable range: (0.D.): from 3.2mm (~1/8") to 36.5mm (~1½")
- Three adjustable mounting hole models also available
- Colours: Natural (white) or Black
- Packaging: 100 pieces
- Mounting: To apply, snap the clamp around the cable, wire, tube or conduit, then mount with a single screw, bolt or rivet (not supplied). Mounting hole diameter "A" for ranges from 4.6mm to 5.0mm (~0.18" to 0.20")
- Material: Flame retardant, low-halogen Polyamide 6 (Nylon) UL94V2
- Operating Temperature: Maximum +90°C

Part No.	Part No.	Model	Offset	Width	Length	Thickness	Maximum	o.D. cable
(white)	(black)	Model	В	С	E	F	mm	in
103.103	103.104	UC00	9.5	9.6	19.8	1.4	3.20	1/8"
103.105	-	UC05	10.5	9.6	19.8	1.4	4.80	3/16"
103.106	103.107	UC10	12.0	10.0	22.0	1.4	6.35	1⁄4"
103.108	-	UC15	12.0	10.0	22.0	1.5	7.90	5/16"
103.110	103.111	UC20	12.5	12.0	24.0	1.5	9.50	3/8"
103.112	103.113	UC30	15.2	12.0	31.0	1.5	12.70	1⁄2"
103.116	-	UC40	18.2	12.0	34.3	1.5	15.80	5/8"
103.120	-	UC50	18.2	12.0	35.0	1.5	19.40	3/4 "
103.125	103.124*	UC60	22.0	12.0	43.0	1.8	25.40	1"
103.126	-	UC65	24.0	12.0	50.0	1.8	27.50	1-1/16"
103.132	-	UC70	26.2	12.0	46.2	1.8	31.80	1-1/4"
103.137	103.138*	UC90	30.0	12.0	50.0	1.8	36.70	1-1/2"
Adjustable	models:						Range mm	Range inches
103.146	-	PC0406	-	13.0	-	1.6	4.8 - 6.4	3/16" - ¼"
103.149	-	PC0609	-	13.0	-	1.6	6.7 - 9.5	1⁄4" - 3/8"
103.154	-	P0914	-	13.0	-	1.6	9.5 - 14.3	3/8" - 9/16"

Strap-Type Wire and Cable Clamps (Order by Part No.)

Information subject to change without notice - All dimensions in mm except where indicated. * Special order only



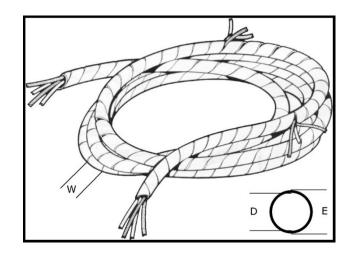




Spiral Wrapping Band

Features and specifications:

- Bundles cables, wire and tubing together efficiently and economically
- Highly flexible, for use in both static and dynamic applications
- Wrapping ranges can extend well beyond rated values, helping reduce stock
- Material: Polyethylene; offers excellent insulation and binding strength
- Colour: Natural and Black
- Length: 100ft (30.48m) on a cardboard spool



Part No.	Outer	dia. (E)	Inner D	Dia. (D)	Pitc	h (W)	Wrappin	g range	Colour	Back Type
Part NO.	in	mm	in	mm	in	mm	in	mm	Colour	Pack Type
271.006S	.236	6	.161	4.1	.276	7.0	.16198	4 - 25	Natural	Spool
271.0085	.315	8	.236	6	.425	10.8	.236 -1.18	6 - 30	Natural	Spool
271.0125	.472	12	.354	9	.547	13.9	.354 -1.26	9 - 32	Natural	Spool
271.0195	.748	19	.590	15	.717	18.2	.590 -1.97	15 - 50	Natural	Spool
271.024S	.945	24	.787	20	.772	19.6	.787 -3.94	20 - 100	Natural	Spool
271.1065	.236	6	.161	4.1	.276	7.0	.16198	4 - 25	Black	Spool
271.1085	.315	8	.236	6	.425	10.8	.236 -1.18	6 - 30	Black	Spool
271.1125	.472	12	.354	9	.547	13.9	.354 -1.26	9 - 32	Black	Spool
271.1195	.748	19	.590	15	.717	18.2	.590 -1.97	15 - 50	Black	Spool
271.124S	.945	24	.787	20	.772	19.6	.787 -3.94	20 - 100	Black	Spool

Information subject to change without notice



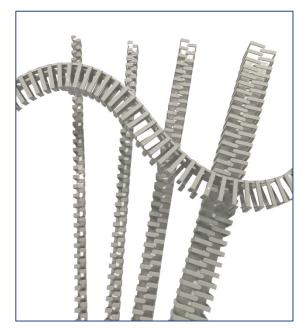


Flexible Wire Duct

ITC presents Canalflex flexible wire duct for use in control panels, automation systems, machinery.

Features and specifications:

- Extremely flexible: because of the design of the fingers, Canalflex can be bent to sharp angles without risk of damage to the wires or to the wire duct itself
- Safe: the "fingers" completely wrap the wires, preventing their escaping from the duct. No cover is required
- Practical: absence of a cover allows clear visibility of the wires inside the duct
- Easy to cut: use the exclusive ITC Wire duct cutter for precise, effortless cuts
- **Easy to mount**: Canalflex is available:
 - With adhesive backing simply peel off the protective tape and apply: designed for resisting 80°C
 - Without adhesive backing use 4mm (3/16") screws or rivets (not supplied)
- Material: Nylon 6 (Flame Retardant UL94V2)



Part No.	Description	Length	Package
222.100	Flexible wire duct, grey, 12.5x12.5mm (0.49x0.49")	500mm (19.7")	10 pieces
222.404	Flexible wire duct, grey, 16x16mm (0.63x0.63")	500mm (19.7")	10 pieces
222.120	Flexible wire duct, grey, 16x16mm (0.63x0.63")	500mm (19.7")	10 pieces
222.101	Flexible wire duct, grey, 20x20mm (0.79x 0.79") - NEW	500mm (19.7")	10 pieces
222.303	Flexible wire duct, grey, 30x30mm (1.18x1.18")	500mm (19.7")	10 pieces
222.202	Flexible wire duct, grey, 40x40mm (1.58x1.58")	500mm (19.7")	5 pieces
222.150	Flexible wire duct, grey, 50x50mm (1.97x1.97") - NEW	500mm (19.7")	5 pieces
232.100	Flexible wire duct with adhesive back, grey, 12.5x12.5mm (0.49x0.49") - NEW	500mm (19.7")	10 pieces
232.404	Flexible wire duct with adhesive back, grey, 16x16mm (0.63x0.63")	500mm (19.7")	10 pieces
232.120	Flexible wire duct with adhesive back, grey, 20x20mm (0.79x 0.79") - NEW	500mm (19.7")	10 pieces
232.101	Flexible wire duct with adhesive back, grey, 25x25mm (0.98x0.98")	500mm (19.7")	10 pieces
232.303	Flexible wire duct with adhesive back, grey, 30x30mm (1.18x1.18")	500mm (19.7")	10 pieces
232.202	Flexible wire duct with adhesive back, grey, 40x40mm (1.58x1.58")	500mm (19.7")	5 pieces
232.150	Flexible wire duct with adhesive back, grey, 50x50mm (1.97x1.97") - NEW	500mm (19.7")	5 pieces
210.993	Plastic rivet, black	-	100 pieces
500.101	Wire duct cutter	-	1 piece

Flexible Wire Duct and Accessories (Order by Part No.)

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Wire Duct

High quality PVC wire duct (trunking / channel) in sizes varying from 1x1" to 6x4" and several designs are available. The unique cover locking design prevents slipping of the cover, even under vibration. The specially designed slots ensure that wires remain in slots when the cover is removed. Cutting or abrassions are prevented by the smooth, rounded edge design of the channels and covers.

Features and specifications:

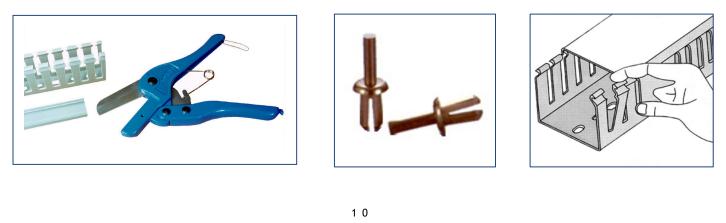
- Available with Thin Slot (4mm), Wide Slot (8mm), or Non-slotted (Solid)
- Supplied it 2m lengths; covers are included
- Material: PVC, UL 94-V0 flammability rating
- Operating Temperature (UL): Max 50°C (~122°F)
- Approvals: CSA (# 082854), cURus (# E97527)

ITC offers specialized tools designed to quickly cut without burrs, wire duct and cover up to 125mm (4 1/2") wide.

- Accessories: Mounting rivets; cable tie attachments; fixing lugs
- Tools:
 - Manual wire duct cutter (Part No. 500.101)
 - Bench-Mount wire duct cutters (Part Nos. 520.001 and 520.011)
 - Notching tools for wire duct







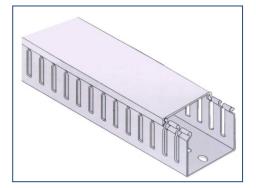


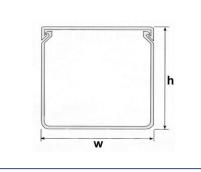
Grey Wire Duct (Order by Part No.)

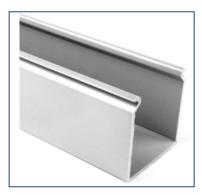
Description		Dimensions	Pai	rt No.	Pack	Part No.	176 112 84 56 76 56 56 56 48 52 36 40
	Approvals	Width x Height mm (in)	Solid Grey	Thin Slot Grey	Qty (m)	Wide Slot Grey*	Qty (m)
Cover	-	25mm wide (1")	212.100		2		
Wire duct	(P)	25x25mm (1" x 1")	210.101	212.101	48	211.101*	176
Wire duct	(P)	25x40mm (1" x 1.5")	210.102*	212.102	48	211.102*	112
Wire duct	()	25x60mm (1" x 2.25")	210.103	212.103	60	211.103*	84
Wire duct	(P)	25x80mm (1" x 3")	210.104*	212.104	48	211.104*	56
Cover, 40mm	-	40mm wide (~1.5")	212.200^		2		
Wire duct	(P)	40x40mm (1.5" x 1.5")	210.202	212.202	64	211.202*	76
Wire duct	(P)	40x60mm (1.5" x 2.25")	210.203	212.203	40	211.203*	56
Wire duct	(P)	40x80mm (1.5" x 3")	210.204	212.204	28	211.204*	56
Wire duct	(P)	40x100mm (1.5" x 4")	-	212.205	20	211.205*	48
Cover, 60mm	-	60mm wide (~2.25")	212.300^		2		
Wire duct	()	60x40mm (2.25" x 1.5")	210.302	212.302	48	211.302*	52
Wire duct	()	60x60mm (2.25" x 2.25")	-	212.303	28	211.303*	36
Wire duct	()	60x80mm (2.25" x 3")	210.304	212.304	16	211.304*	40
Wire duct	()	60x100mm (2.25" x 4")	-	212.305	12	211.305*	32
Cover, 80mm	-	80mm wide (~3")	212.400^		2		
Wire duct	()	80x40mm (3" x 1.5")	210.402*	212.402	32	211.402*	48
Wire duct	()	80x60mm (3" x 2.25")	210.403*	212.403	24	211.403*	40
Wire duct	()	80x80mm (3" x 3")	210.404	212.404	16	211.404*	32
Wire duct	()	80x100mm (3" x 4")	-	212.405	12	211.405*	24
Cover, 100mm	-	100mm wide (~4")	212.500^		2		
Wire duct	® * N us	100x40mm (4" x 1.5")	-	212.502	28	211.502*	40
Wire duct	()	100x60mm (4" x 2.25")	-	212.503	16	211.503*	32
Wire duct	() *. R)	100x80mm (4" x 3")	-	212.504	12	211.504*	24
Wire duct	() *. R	100x100mm (4" x 4")	210.505	212.505	8	211.505*	20
Wire duct	() *. R	120x60mm (4.5 x 2.25")	-	212.603	8	211.603*	24
Wire duct	() *. R	120x80mm (4.5" x 3")	-	212.604	8	211.604*	20
Wire duct rivet, b	olack, plastic		210.993		100		

* available upon request ^ fits solid, thin slot and wide slot wire duct Information subject to change without notice

All wire duct is supplied in lengths of 2m (~78"), complete with cover.







	ELECTRICAL COMPONENTS				 416.663.7223 www.itcproducts.com 50 Mural St Unit 8 Richmond Hill, ON L4B 1E4 	
	DIN Rail	DIN Rail Accessories	Non-Metallic Enclosures	Hinged Enclosures	Thermal Management	PANEL Lighting
	With the second secon	Compact IP68 Connectors	Terminal Blocks	Terminal Strips	22.5mm Pushbuttons	LED Indicators
	Control Stations	kinit Switches	Aicro Limit Switches	Safety Switches	Foot Switches	Circuit Breakers
	IEC Contactors	isconnect Switches	Midget and CC Fuse Holders	Tower Lights	Power Continuity	Ferrules
	Colour Coded Lugs	Frimp Terminals	Termination Kits	Cable Glands	Contraction of the second seco	Cable Entry Systems
	Wire Management	DIN Rail Cutters	Assembly Tables	Cutting & Stripping	Crimping Tools	Hole Cutting & Punching Tools
SOME OF OUR MANUFACTURING PARTNERS bined els spelsberg しここ ALFRA でののこの でのいまつ の の の の の の の の の の の の の						
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