NEWLINK
Cabling Systems

CABLE TRAYS & ACCESSORIES CATALOG

11701 NW 102nd Road, Suite 21, Medley, FL 33178
Tel: 305-477-8063, Fax: 305-477-8262
www.newlink-usa.com

WIRE MESH CABLE TRAY

Material:

Q235 Steel (Standard steel), SS304, SS316 & SS316L

Surface Finish:

Electro zinc plated (Standard)

Powder coated (Special order)

Hot Dipped Galvanized (Special order)

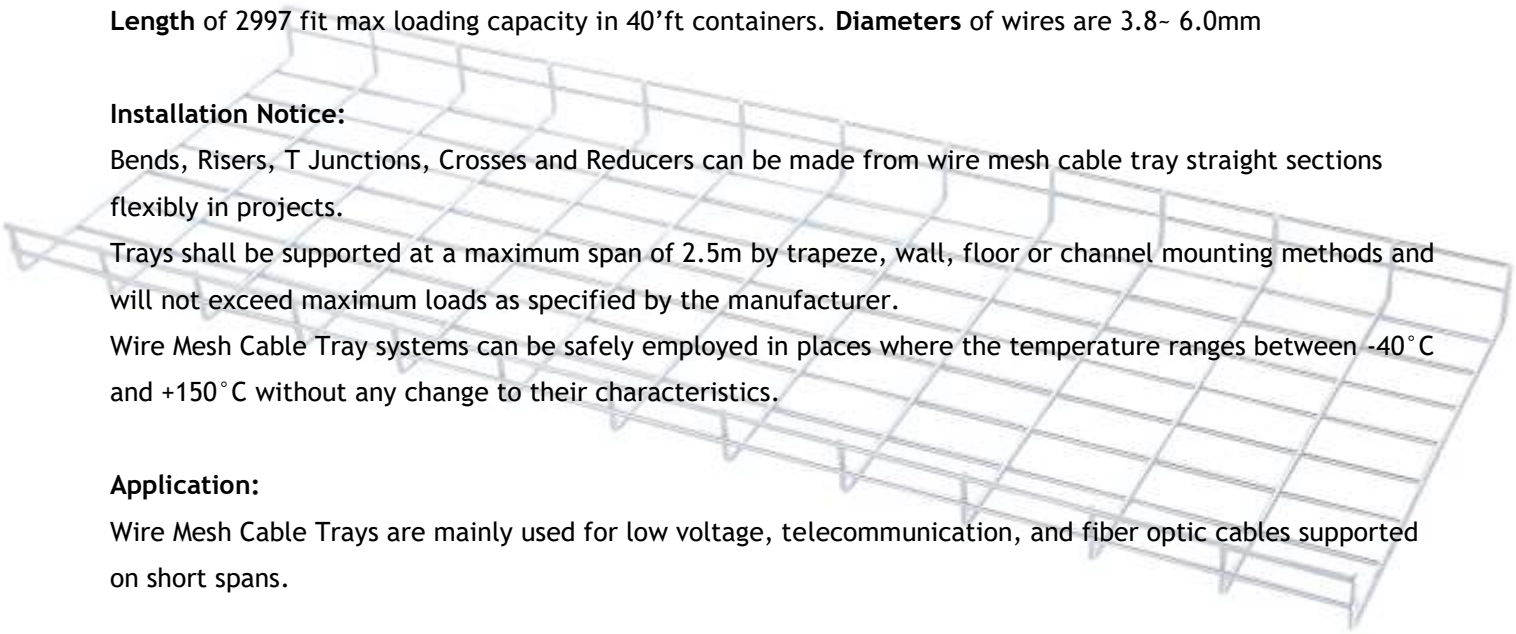
Acid Washing or Electrolytic Polishing – for stainless steel use (Special order)

Dimensions:

Cable Tray dimensions are all internal. Wire Mesh Cable Trays are constructed with a 50mm x 100mm mesh configuration.

Depth of 35mm, 50mm, 60mm, 75mm, 100mm &150mm.**Widths**: 50~900mm.

Length of 2997 fit max loading capacity in 40'ft containers. **Diameters** of wires are 3.8~ 6.0mm



Installation Notice:

Bends, Risers, T Junctions, Crosses and Reducers can be made from wire mesh cable tray straight sections flexibly in projects.

Trays shall be supported at a maximum span of 2.5m by trapeze, wall, floor or channel mounting methods and will not exceed maximum loads as specified by the manufacturer.

Wire Mesh Cable Tray systems can be safely employed in places where the temperature ranges between -40°C and +150°C without any change to their characteristics.

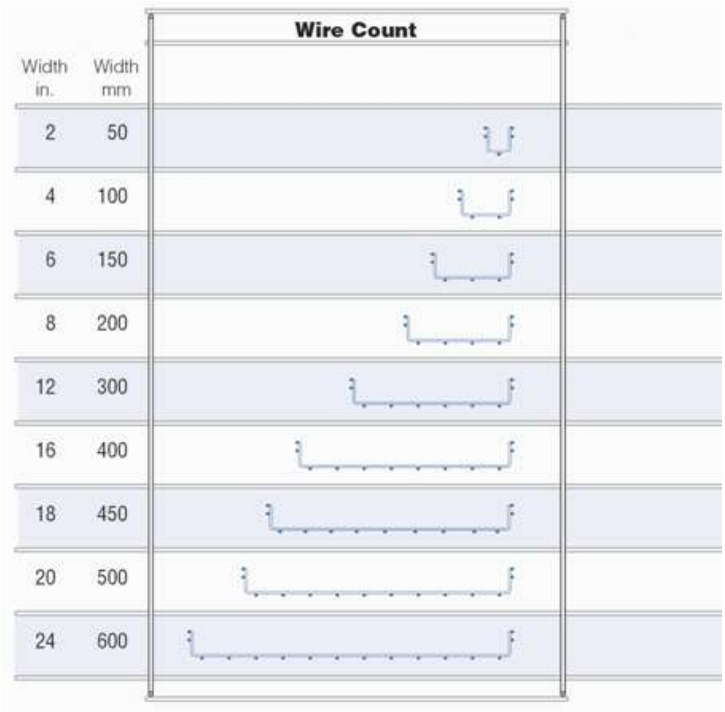
Application:

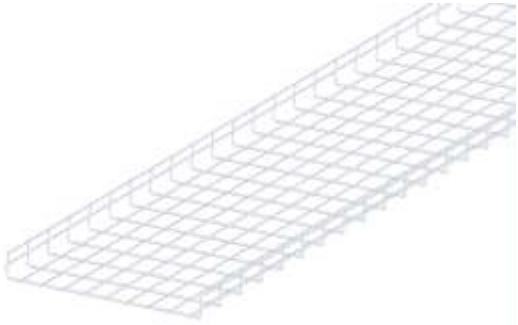
Wire Mesh Cable Trays are mainly used for low voltage, telecommunication, and fiber optic cables supported on short spans.

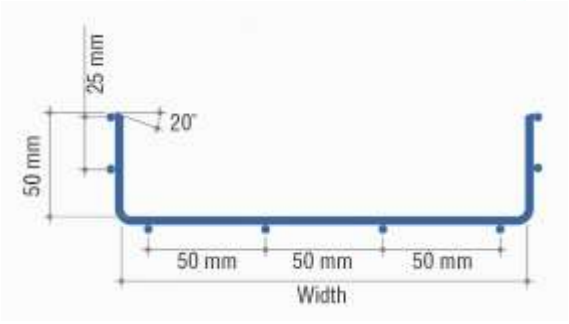
Features & Advantages:

All sharp ends are cut off to protect cables. Weight loading capacity is 27% stronger than traditional cable trays and cable ladders.

Wire Mesh Cable Tray (Height=2”)







Item Names	Height		Width		Length	Diameter	Weight
	MM	INCH	MM	INCH	M	MM	KG/EACH
8504023	50	2	100	4	3	5	3.77
8506023	50	2	150	6	3	5	4.47
8508023	50	2	200	8	3	5	5.17
8512023	50	2	300	12	3	5	6.57
8516443	101.6	4	406.4	16	3	-	-
8518443	101.6	4	457.2	18	3	-	-

8508023

8506023

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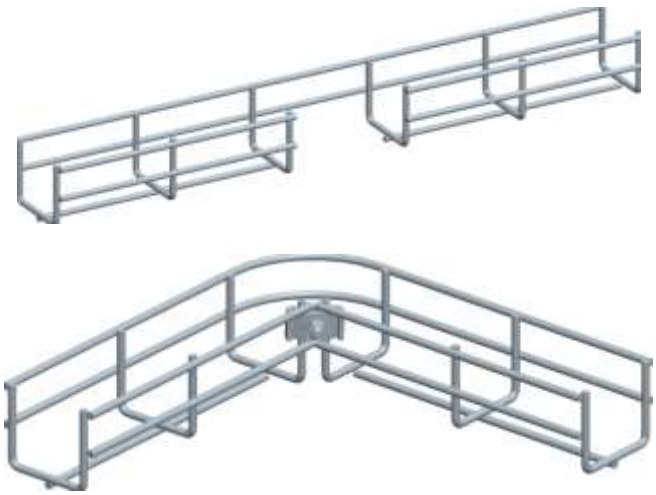
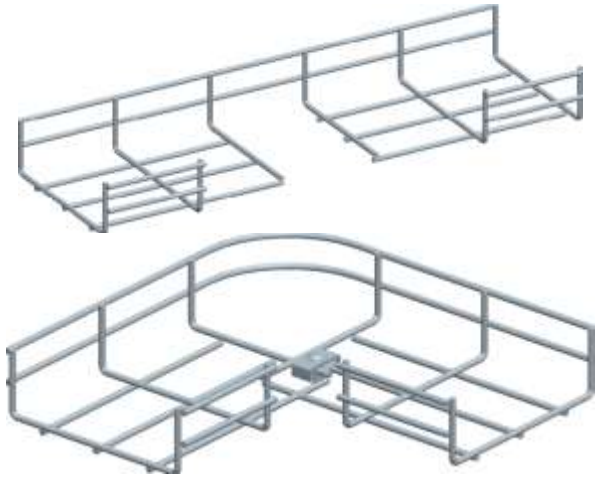
Wire Mesh Cable Tray Assembling Guiding

90° Short Radius Bends
50 mm (2") Wide



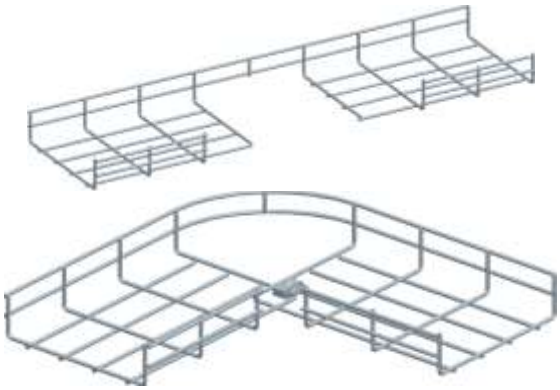
Connector Assembly Number	
	CPL
50mm	1

90° Short Radius Bends
100 and 150 mm (4"and 6") Wide



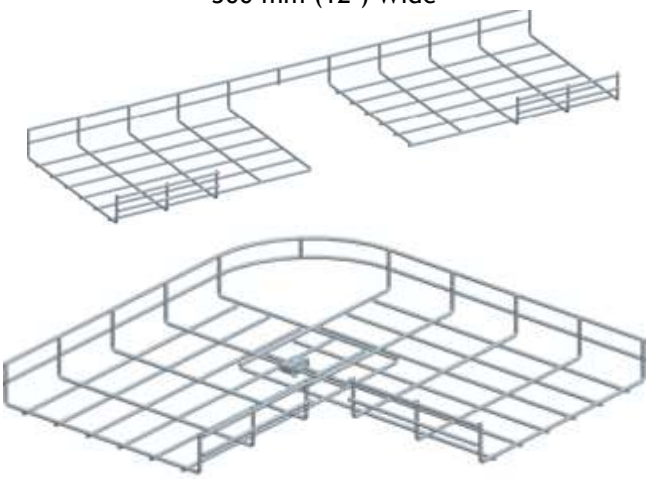
Connector Assembly Number	
	CPL
100mm	1
150mm	1

90° Short Radius Bends
200 mm (8") Wide



Connector Assembly Number	
	CPL
200mm	1

90° Short Radius Bends
300 mm (12") Wide



Connector Assembly Number	
	CPL
300mm	1

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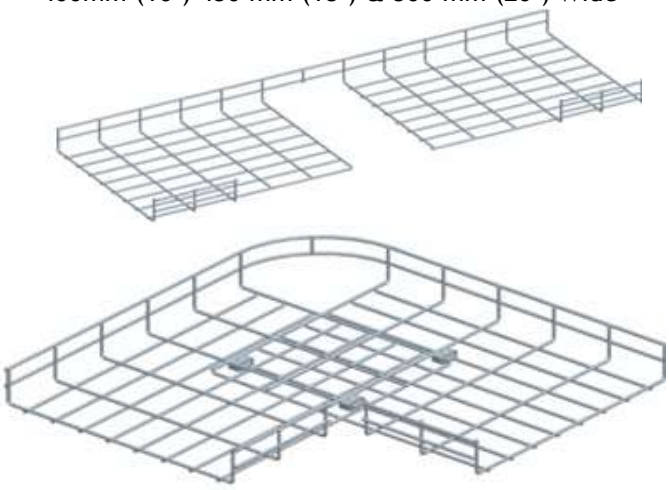
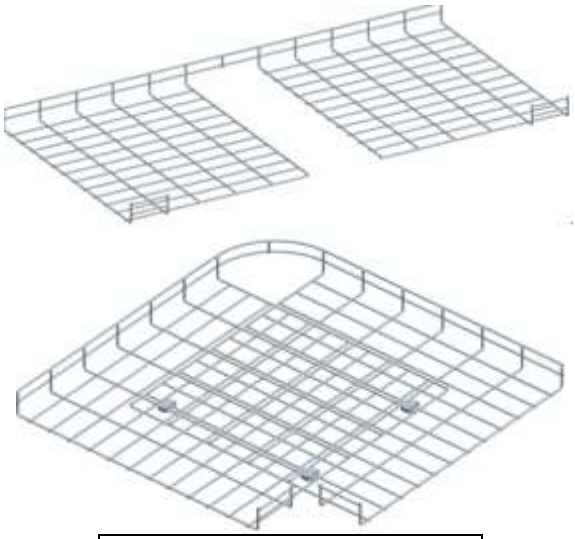
90° Short Radius Bends
400mm (16") 450 mm (18") & 500 mm (20") Wide



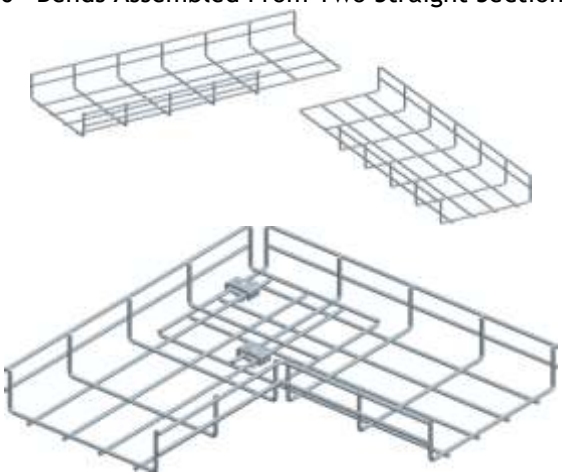
Connector Assembly Number	
	CPL
400mm	3
450mm	3
500mm	3

90° Short Radius Bends
600 mm (24") Wide



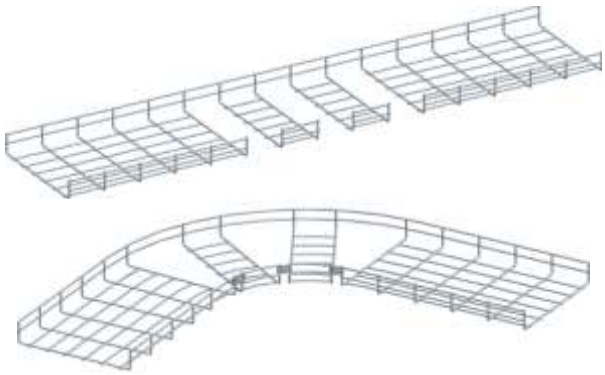
Connector Assembly Number	
	CPL
300mm	3

90° Bends Assembled From Two Straight Sections



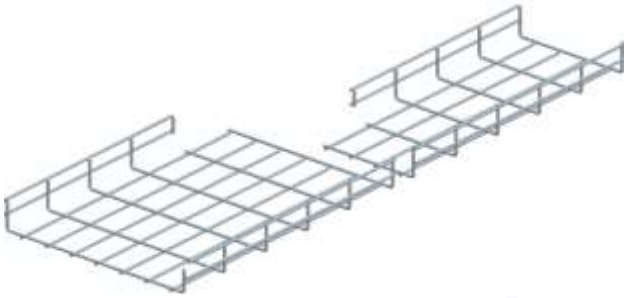
Connector Assembly Number	
	CPL
100mm	2
150mm	2
200mm	2
300mm	2
400mm	3
450mm	3
500mm	3
600mm	3

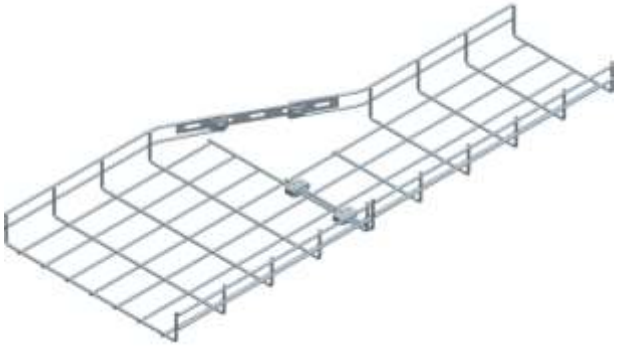
90° Long Radius Bends



Connector Assembly Number		
	CPL	SBR
100mm	3	1
150mm	4	1
300mm	5	1
300mm	7	1
400mm	9	1
450mm	11	1
500mm	11	1
600mm	12	1

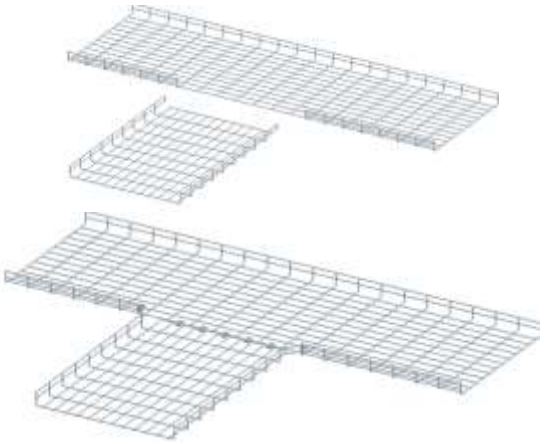
Reducers





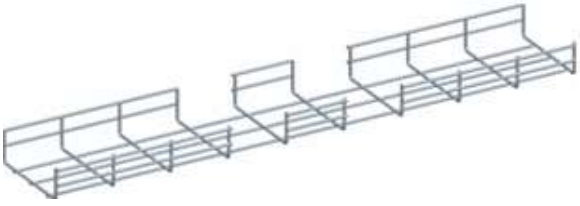
Connector Assembly Number		
	CPL	SBR
100mm	3	1
150mm	4	1
300mm	5	1
300mm	5	1
400mm	5	1
450mm	5	1
500mm	5	1
600mm	5	1

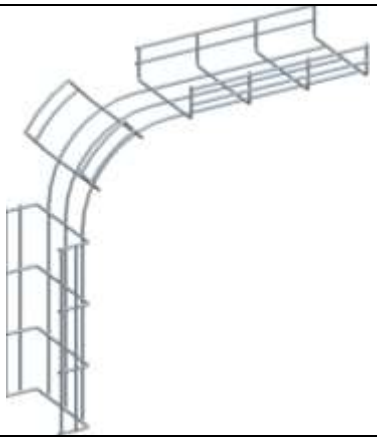
Horizontal Tees



Connector Assembly Number	
	CPL
100mm	2
150mm	2
300mm	2
300mm	3
400mm	4
450mm	4
500mm	4
600mm	4

Vertical Bend Assembly Guide
Vertical Inside and Outside Bends





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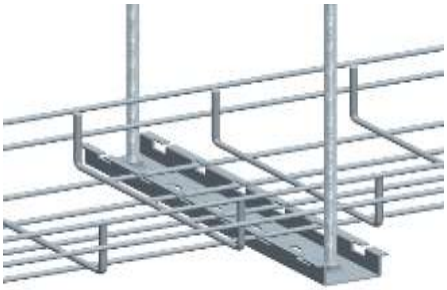
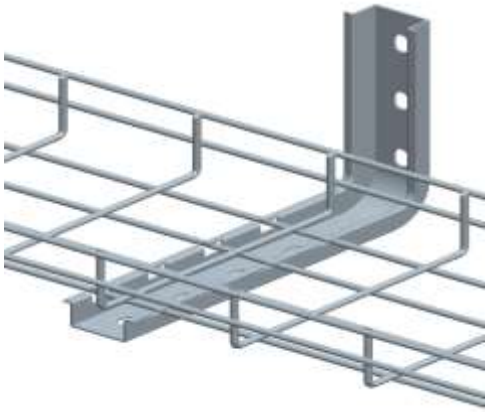
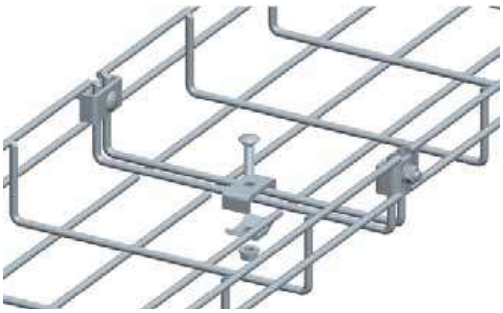
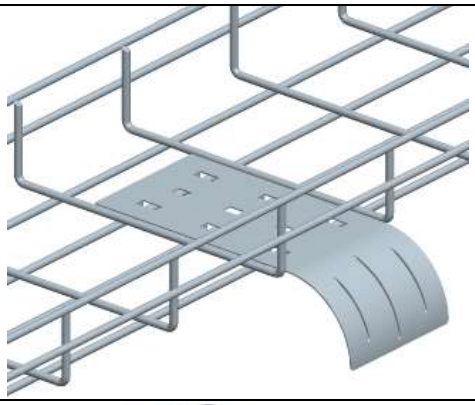
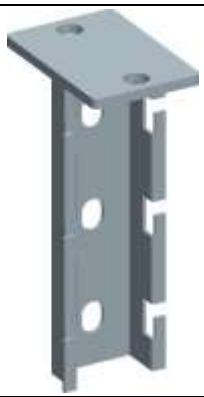
Quick Reference Table for Cable Loads

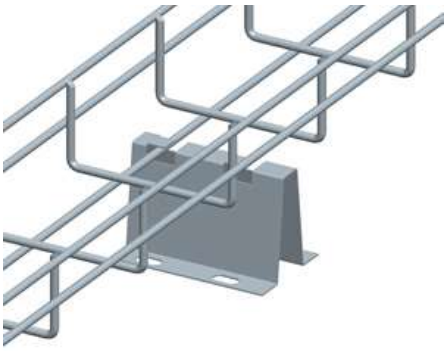
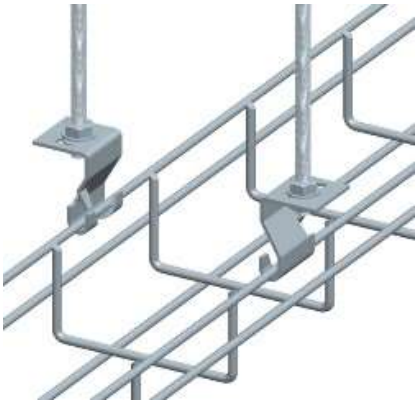
Cable Tray	Fill Area	Loads in lbs/ft per span				Max. number of cables			
		5'	6'	7'	8'	Cat 5e 4-pair Plenum (.17")	Cat 5e 4-pair Non-plenum (.19")	Cat 6e 4-pair Plenum (.22")	Cat 6a 4-pair Non-plenum (.35")
8504023	8.06"	39.4	22.3	16.4	15.9	177	142	106	41
8506023	12.09"	46.5	27.6	20.3	19.1	266	213	159	62
8508023	16.12"	54.2	36.4	26.7	24.7	355	284	212	83
8512023	24.18"	71.6	47.1	34.6	31.7	532	426	318	125

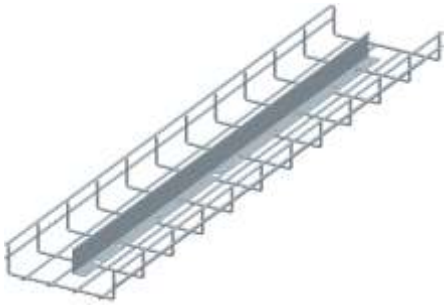
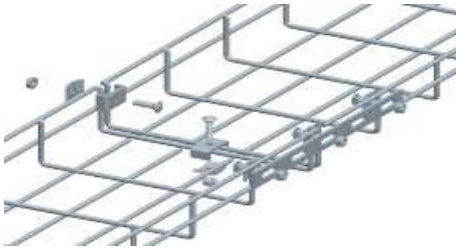
Fixing & Accessories

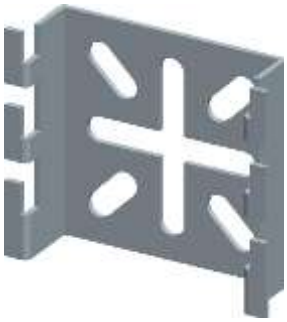
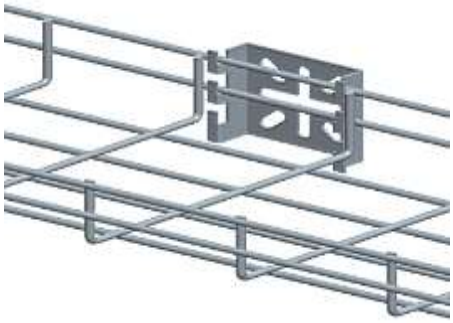
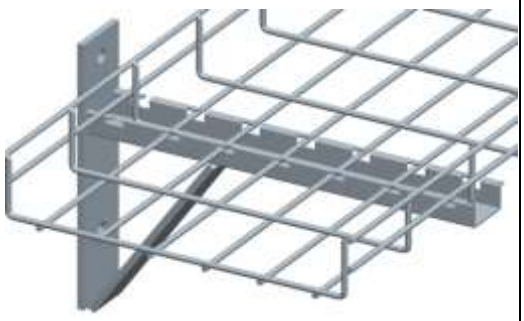
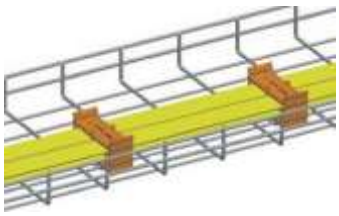
P/N	Images	Installing Guide	Description
8504010 8506010 8508010 8512010			**HANGER KITS** 1. Hanger kits are a solution for ceiling mounting. Each kit includes two 1mt metric thread rod, two anchor bolts, two flange nuts, and two common nuts. 2. These kits can be used as floor support.
8504050 8506050 8508050 8512050			**L-TYPE WALL BRACKET** This bracket is used to install cable trays to the wall. Designed for trays below 300mm wide. 8504050: 4” 8506050: 6” 8508050: 8” 8512050: 12”

8585100 8585200 8585300			**WALL BRACKET** It is used for horizontal wall mounting. Suitable for all sizes of cable trays. It supports heavy weight. 8585100: 4” 8585200: 8” 8585300: 12”
8585045			**FAS Profile (1mts)**
8585080			**FASTLOCK** Normally used with small cable trays to create a bend.
8530012			**PG Splice CF** Connects straight sections of wire mesh cable trays. Each standard coupler kit includes one M6 bolt and one M6 flange nut. A minimum of 3 couplers are required to connect two cable tray sections.

8595010			**FAST FIX SPLICER** It is used as a coupler. It connects two cable trays, but it doesn't support heavy weight.
8595020			**CABLE GUIDER** It allows cables to be laid out from the trays to equipment. Size: 30cm x 28cm x 16cm
8595030			**T TYPE HANGING BRACKET** Used to hang the cable trays from the ceiling with vertical support.
8595040			**BRIDGE TYPE FLOOR STAND** It is used to hold Basket Cable Trays over the floor. Height and width are adjustable.

8595060			**FLOOR STAND** It is used to hold Basket Cable Trays. There is no nut or bolt required. • **Length 98mm** • **Middle to middle height 63.5mm** • **Upper width 13mm** • **Bottom width 64mm** • **Weight 0.136kg**
8599200			**GROUNDING BOLTS**
8599880			**HANGING HOOKS** Used to hang the cable trays from the ceiling. Designed for light weight.

8512077			**COVER** **It is used to protect the cables.** 1 meter section. You need 3 per cable tray. No smaller sections available. No additional hardware needed to install. This part number is only for the 12” cable tray (8512023)
8599900			**DIVIDER** It is used to divide the cable tray into two cable pathways. Height: 2” Length: 1mt
8585250			**STRENGTHENING BAR** It is used to strengthen the connection of two cable trays. It can also be used to create bends, tees, crosses, risers, and reducers.
8585260			**50 TRAY HOLDER** Used for ceiling mounting. Suitable only for 50mm cable trays.

8585280			**SPIDER BRACKET** A type of wall bracket suitable for smaller trays, especially for 50mm and 100mm cable trays. It can also be used as floor support.
8585270			**CANTILEVER WALL BRACKET** A common solution for horizontal wall mounting. Suitable for all sizes of cable trays. It supports heavy weight.
8598010			**CABLE ROUTER BASE** Apply to trays to organize cables. Made from ABS. Includes 1 set. Up to four 8598011 can be used with each 8598010
8598011			**CABLE ROUTER TOP** Apply to trays to organize cables. Cable diameter 5mm-6mm. Includes 1 unit. Up to four 8598011 can be used with each 8598010.

Ordering Information:

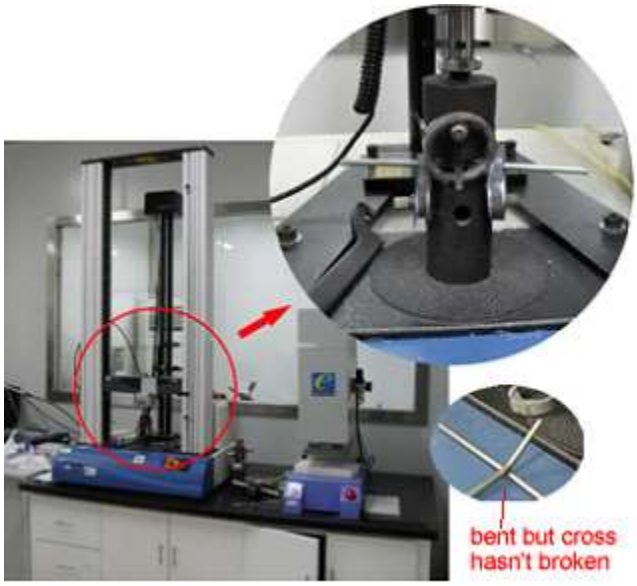
P/N	Description
NEW-8504023	Newlink Cable Tray 4"
NEW-8506023	Newlink Cable Tray 6"
NEW-8508023	Newlink Cable Tray 8"
NEW-8512023	Newlink Cable Tray 12"
NEW-8516443	Newlink Cable Tray 16" x 4" x 3Mts Electro Zinc
NEW-8518443	Newlink Cable Tray 18" x 4" x 3Mts Electro Zinc
NEW-8504010	Hanger-10 Kit for 4" Includes: Hanging bar (1) / Rods (2) / Anchor bolt (2) / Nut (4)
NEW-8506010	Hanger-10 Kit for 6" Includes: Hanging bar (1) / Rods (2) / Anchor bolt (2) / Nut (4)
NEW-8508010	Hanger-10 Kit for 8" Includes: Hanging bar (1) / Rods (2) / Anchor bolt (2) / Nut (4)
NEW-8512010	Hanger-10 Kit for 12" Includes: Hanging bar (1) / Rods (2) / Anchor bolt (2) / Nut (4)
NEW-8504050	L Bracket 4"
NEW-8506050	L Bracket 6"
NEW-8508050	L Bracket 8"
NEW-8512050	L Bracket 12"
NEW-8512077	12" Tray Cover 1mt
NEW-8530012	PG Splice CE
NEW-8585100	4" CRP Reinforced Bracket
NEW-8585200	8" CRP Reinforced Bracket for NEW-8506023 and NEW-8586023
NEW-8585270	Cantilevered Wall Bracket for NEW-8504023 and NEW-8506023
NEW-8585271	Cantilevered Wall Bracket for NEW-8508023
NEW-8585272	Cantilevered Wall Bracket for NEW-8512023
NEW-8585300	12" CRP Reinforced Bracket
NEW-8585045	Fas Profile 1 meter
NEW-8585080	Fast Lock
NEW-8595010	Fast Fix Splice
NEW-8595020	Cable Guider
NEW-8595030	T Type Hanging Bracket

NEW-8595040	Bridge Type Floor Stand
NEW-8595060	100 Floor Stand
NEW-8599200	Grounding Bolts
NEW-8599880	Hanging hooks
NEW-8599900	Divider H: 2” L: 1mt
NEW-8585250	Strengthening Bar
NEW-8585260	50 Tray Holder
NEW-8585280	Spider Bracket
NEW-8585270	Cantilevered Wall Bracket for NEW-8504023 and NEW-8506023
NEW-8585271	Cantilevered Wall Bracket for NEW-8508023
NEW-8585272	Cantilevered Wall Bracket for NEW-8512023
NEW-8598010	Cable Router Base
NEW-8598011	Cable Router Top
NEW-8560000	Wire Mesh Cable Tray Cutter 18 inch
NEW-8597010	1” Conduit Connector
NEW-8597034	3/4” Conduit Connector
NEW-8599899	Corner Radius
NEW-8516010	Newlink 16" bar for PG Hanger 10-Kit
NEW-8518010	Newlink 18" bar for PG Hanger 10-Kit

Wire Mesh Cable Tray SWL (Safe Working Load) Tests:

Test Reference: Clause 5.2.6 - 5.2.9 NEMA VE 1-2002/CSA C22.2 No. 126.1-02
Description: Adding long flat bars (steel bars used) on wire mesh cable trays with test span 3000mm to test the max loading capacity.
Result: The wire mesh cable trays collapse at least 172kgs.

Test Reference: Clause 10.4 BS EN 61537:2007 Cable Management – Cable Tray Systems and Cable Ladder Systems
Description: Test for SWL of cable tray lengths mounted in the horizontal plane running horizontally on a single installation.
Result: The SWL tests passed all the requirements for SWL load and 1.7 times Load. (The practical mid-span deflection does not exceed 1/100th of the span. The transverse deflection does not exceed 1/20th of the width of the mesh cable trays. The basket trays still ensure reliable support to any cable. Loading increased at 1.7 times SWL, the mesh cable trays sustain the increased loading without collapsing.)



Wire Mesh Cable Tray Welding Strength Tests:

Test Description: Cutting off testing segment from wire mesh cable trays. Place the testing welded segment in hydraulic press and test.

Test Condition: 23±2℃, 50±5% RH, Hydraulic press speed: 5mm/min.
Result: Maximum broken force at least 1166N.

QC