



Kemrock manufacturing facility at Vadodra, Gujarat

103 Composite Industrial Cable Management Systems



INDIA
Regd.Off.: Village Asoj, Vadodara - Halol Express Way,
 Tal. Waghodia, Dist. Vadodara - 391 510, Gujarat
Phone: +91-2668-666200 | **Fax:** +91-2668-666400
Email: info@kemrock.com
www.kemrock.com

U.K.
Email: info.uk@kemrock.com, ron@kemrock.com
Phone: +44 1933 356652



ITALY
TOP GLASS S.p.A.
 Via Dei Soldani, 3 - I - 23875 Osnago (LC)
Phone: +39 039 95223 | **Fax:** +39 039 587787
Email: info@topglass.it
www.topglass.it



410VO

INTRODUCTION



Established in 1981, **Kemrock Industries & Exports Ltd.** manufactures and exports composite raw material and end user products for industrial sectors such as chemical processing, oil and gas, metals and mining, water and waste treatment, infrastructure, construction, pharmaceuticals, food and beverage, pulp and paper, electronics, railways, aerospace, marine, defense, wind energy, telecommunications and many more...

A leader in the field of composites in India, the company delivers standard as well as customized solutions that are ideal replacements for conventional materials particularly those prone to corrosion. The State-of-the-Art facility located close to Vadodara in the western part of India, provides high-quality engineered advanced composite solutions and reliable services, complying with customer specifications as well as national and international standards. Oriented towards continuous improvement, the company operates using principles of Total Integrated Management, ensuring complete customer satisfaction. Dedicated to single point responsibility it encompasses conceptual design, prototype development, testing, manufacturing, logistic support, installation and comprehensive after sales service.

COMPOSITES

A composite is a combination of two or more materials, where the resultant material is superior to the individual component parts. Kemrock's composite products utilise these enhanced properties to the full. Designed by an experienced and talented team who know and understand composites, and manufactured from in-house produced thermosetting resins, reinforced by our captive production of reinforcements and processed by the most complete range of conversion techniques, Kemrock composite products offer durable, long term solutions at a competitive price.

OTHER COMPOSITE PRODUCTS IN THE KEMROCK RANGE



100 Excellence in Composites



101 Pultruded Profiles



102 Handrails & Ladders Systems



104 Lighting Poles & Flag Masts



105 Access System - EasyReach



106 Piping System



107 Rail Coach Solutions



108 Decking System



109 Rotor Blades & Nacelle Covers



110 Soundwall



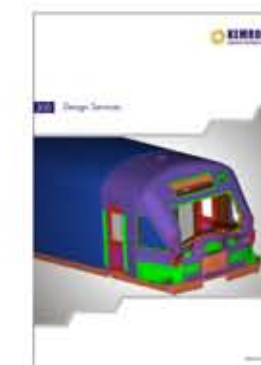
111 Louvres



112 Telecom Tower



200 Carbon Fibre



300 Design Services



301 Contracting Site Services



and more...

ACCESSORIES: COMPOSITE MATERIAL

HORIZONTAL ANGLE FOR 150°



CODE	Dimension (mm)	
	Thk.	Width
KA 150	6	85

HORIZONTAL ANGLE FOR 134°



CODE	Dimension (mm)	
	Thk.	Width
KA 134	6	85

HORIZONTAL ANGLE FOR 90°



CODE	Dimension (mm)	
	Thk.	Width
KA 90	6	85

COUPLER PLATE (SPLICE)



CODE	Dimension (mm)		
	Thk.	Width	X
KCP	3	160	75

COUPLER PLATE (SPLICE)



CODE	Dimension (mm)		
	Thk.	Width	X
KCP	4	160	40

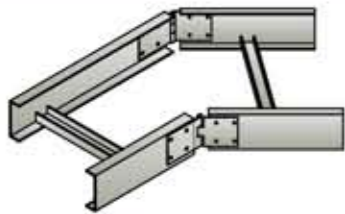
COUPLER PLATE (SPLICE)



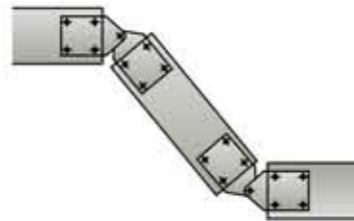
CODE	Dimension (mm)		
	Thk.	Width	X
KCP	4	160	25

ACCESSORIES: SS/HDG MATERIAL

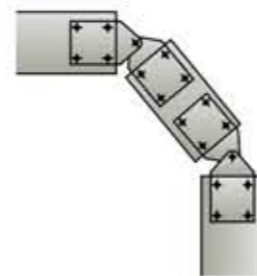
ANGLE COUPLER BEND



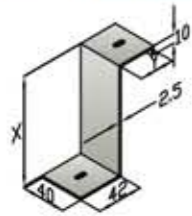
RISER ANGLE COUPLER



ANGLE COUPLER (INSIDE / OUTSIDE)

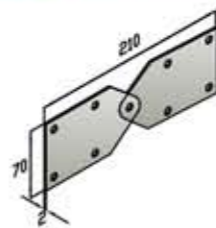


"Z" TYPE SS CLAMP



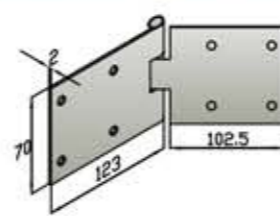
CODE	Dimension (mm)
KZC	101 x 76 x 2

HINGES FOR VERTICAL



CODE	Dimension (mm)
KHV	210 x 70 x 2

HINGES FOR HORIZONTAL



CODE	Dimension (mm)
KHH	224.5 x 70 x 2

WHAT IS CABLE TRAY?

A Cable Tray System, according to the US National Electrical Code, is "a unit or assembly of units or sections and associated fittings forming a rigid structural system used to securely fasten or support cables and raceways." Cable Ladders and Cable Trays are used to contain and distribute cables.

KEMROCK COMPOSITE CABLE MANAGEMENT SYSTEMS

Corrosion resistant, insulating, extremely light and robust, they have a longer life span than traditional materials and offer maximum fire security. These advantages make them user friendly, ensuring complete customer satisfaction as they exceed industry standards for corrosion resistance, strength, flame resistance and ultraviolet protection. Manufactured from Glass Reinforced Plastic shapes which meet ASTM E - 84, Class-1 Flame Rating & Self - extinguishing requirements of ASTM D - 635, the loadings listed for these Cable Ladders and Trays are tested under the guidelines of the current NEMA standards.

The manufacturing processes of Kemrock FRP Cable Ladder/Tray Systems are:

- Pultrusion
- Contact Moulding
- Hot Press Moulding



PRODUCT VALUES

1. Corrosion Resistant

The inherent chemical resistance of Kemrock Cable Management Products make them suitable for use where many conventional materials fail. The life expectancy of these Kemrock Products is over 20 years, thus reducing overall investment and operating expenses.

2. Easy Installation

Kemrock Cable Management Systems are light weight and robust. Being 80% lighter than steel and 30% lighter than aluminum enables these Composite Products to be installed quickly and easily. Due to the smooth edges and ability to install long lengths of trays, long runs of armoured cables can be installed with less chance of cable damage.

Interlocking assemblies and self adjustable couplings are an added advantage.

Kemrock Cable Management Systems can be installed after concrete and major building steel and mechanical piping works are completed, ensuring reduced labour and costs.

3. Fire Resistant

Due to their inherent high temperature resistance and low thermal conductivities, Composite Cable Management Systems provide maximum fire security. They are self extinguishing and Halogen Free, so offer excellent non-toxic performance in the event of a fire, particularly in confined spaces such as tunnels or underground metro installations.

4. Versatile

Kemrock Cable Management Systems are available in variety of sizes and style. A standard as well as custom design can be fabricated for any kind of application, regardless of the size and shape.

5. Space Efficiency

Kemrock Cable Management Systems can carry more cables in less space as compared to many conventional wiring methods. They are compatible with other wiring methods.

6. Accessibility for future

New cables can be easily added and old cables replaced or repaired. Circuits can be visually traced, minimizing start up and trouble shooting.



Easy Installation



Fire Resistant



Stacked Cable Trays : easy to transport.

STRUCTURAL CHARACTERISTICS OF CABLE LADDER & CABLE TRAY

Able to act as...

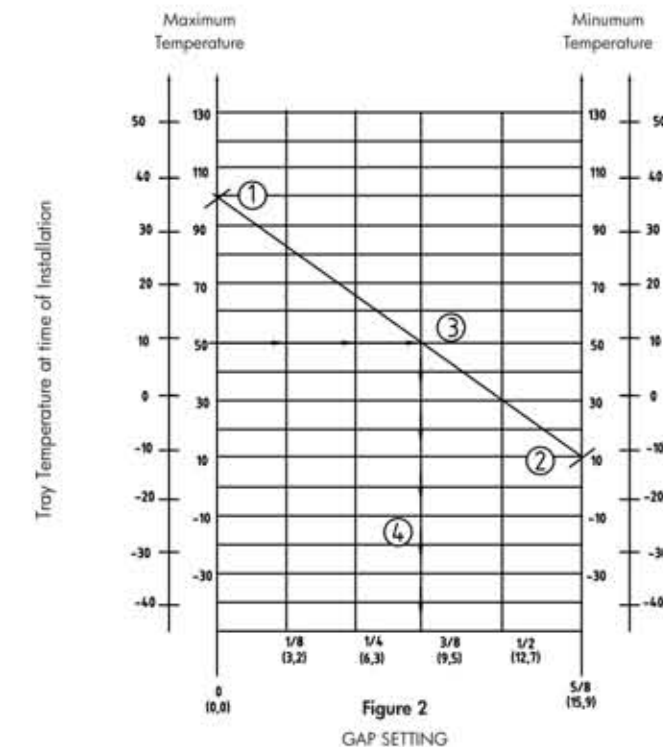
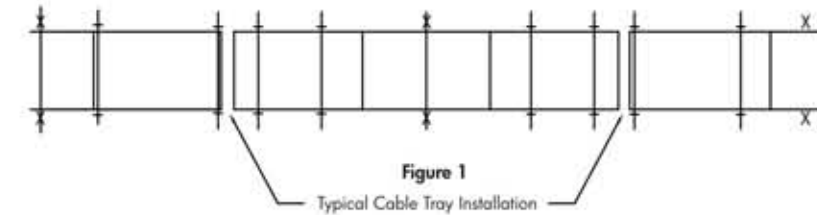
- Simple Beam
- Continuous Beam
- Cantilever Beam
- Fixed Beam

Able to carry...

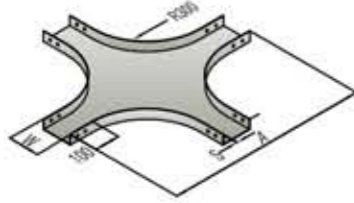
- Cable Loads
- Concentrated Loads
- Wind Loads
- Ice Loads
- Snow Loads
- Seismic Loads
- Splices

Thermal Contraction And Expansion

- It is important that thermal contraction and expansion be considered when installing cable tray systems.
- The length of straight cable tray runs and the temperature differential govern the number of expansion splice plates required.
- The cable tray should be anchored at the support nearest to the mid point between the expansion splice plates and secured by the expansion guides at all others supports locations. (in Fig-1)
- Accurate gap setting at the time of installation is necessary for the proper operation of the proper expansion splice plates. (in Fig-2)
- Setting at the time of installation is necessary for the proper operation of the proper expansion splice plates. (in Fig-2)

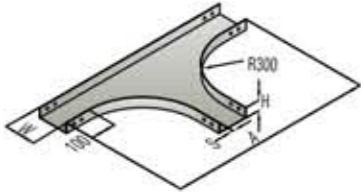


EQUAL CROSS



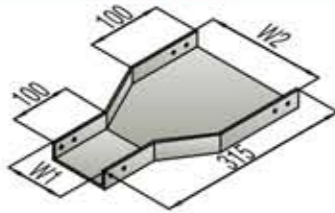
CODE	Dimension (mm)			
	Width 1	Height	Angle	Tall
KCT - X 502545	50	25	850	2.5
KCT - X 505045	50	50	850	3
KCT - X 803045	80.5	30	880.5	3
KCT - X 105045	100	50	900	3
KCT - X 155045	150	50	950	3
KCT - X 151045	150	100	950	4.5
KCT - X 205045	200	50	1000	3
KCT - X 201245	208	120	1008	4.5
KCT - X 301045	300	100	1100	4.5

EQUAL TEE



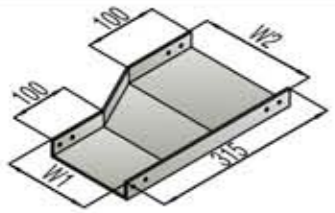
CODE	Dimension (mm)			
	Width 1	Height	Angle	Tall
KCT - T 502545	50	25	850	2.5
KCT - T 505045	50	50	850	3
KCT - T 803045	80.5	30	880.5	3
KCT - T 105045	100	50	900	3
KCT - T 155045	150	50	950	3
KCT - T 151045	150	100	950	4.5
KCT - T 205045	200	50	1000	3
KCT - T 201245	208	120	1008	4.5
KCT - T 301045	300	100	1100	4.5

REDUCER



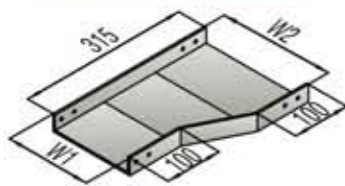
CODE	Dimension (mm)			
	Width 1	Width 2	Height	Tall
KCT - R 1050	50	100	50	2.5
KCT - R 1550	50	150	50	3
KCT - R 2010	100	200	50	3
KCT - R 2015	150	208	120	3
KCT - R 3015	150	300	100	3
KCT - R 3020	208	300	100	4.5

REDUCER R/HAND



CODE	Dimension (mm)			
	Width 1	Width 2	Height	Tall
KCT - RR 1050	50	100	50	2.5
KCT - RR 1550	50	150	50	3
KCT - RR 2010	100	200	50	3
KCT - RR 2015	150	208	120	3
KCT - RR 3015	150	300	100	3
KCT - RR 3020	208	300	100	4.5

REDUCER L/HAND



CODE	Dimension (mm)			
	Width 1	Width 2	Height	Tall
KCT - RL 1050	50	100	50	2.5
KCT - RL 1550	50	150	50	3
KCT - RL 2010	100	200	50	3
KCT - RL 2015	150	208	120	3
KCT - RL 3015	150	300	100	3
KCT - RL 3020	208	300	100	4.5

How To Order Accessories Of Cable Tray System

KCL HZ B 5045 - Example

KCL	HZ B	5045
Product Name Kemrock Cable Tray	Type Horizontal Bend	Dimension 50mm Wide - 45°

Selection of the width, degrees, radius can be made as required.

TEST & STANDARDS

Structural Properties of Pultrusion

Properties	Test Methods	Unit/Value	Longitudinal	Transverse
Tensile Strength	ASTM D638	MPa	206.8	48.2
Tensile Modulus	ASTM D638	GPa	17.2	5.5
Flexural Strength	ASTM D790	MPa	206.8	68.9
Flexural Modulus	ASTM D790	GPa	12.4	5.5
Izod impact	ASTM D256	J/mm	1.33	0.21
Compressive Strength	ASTM D695	MPa	206.8	103.4
Compressive Modulus	ASTM D695	GPa	17.2	6.9
Barcol Hardness	ASTM D2583	-	45	45
Shear Strength	ASTM D2344	MPa	31	-
Density	ASTM D792	g/cc	2	-
Coefficient of Thermal Expansion	ASTM D696	10 ⁻⁶ mm/mm/°C	8	-
Water Absorption (24 Hours)	ASTM D570	% Max	0.45	-
Dielectric Strength	ASTM D149	kv/in	35	-
Flammability Classification	UL 94	-	VO	-
Tunnel Test	ASTM E-84	Flame Spread	25	-

Catalogue Numbering System For Cable Management Products

KCL T1A 150I - Example

KCL	T1A	150	I	(A)
Product Name Kemrock Cable Management Product	Type Type 1 A	Dimension 150mm Wide	Resin Type Isophthalic	Antistatic On Request

To order select the required Product Name, Type, Dimension as shown on the next pages. (Cable Ladder/Tray type, standard product alternative options and additional information are mentioned in the table for 4" as well 6" Cable Ladders & Perforated Trays.) Type and width will differ according to the requirements.

How To Order Cable Management Products?

- 1) Select Type of Cable Management Product from the Specifications given.
- 2) Select Width of Cable Management Product from the Specifications given.
- 3) Select Resin Type of the Cable Management Product: I = Isophthalic, V = Vinyl Ester, A = Acrylic, P = Phenolic.
- 4) Select (A) - Stands for Antistatic, which is available on request.

Note:

- Option of Fasteners or Nylon Bush are available in Kemrock's Cable Management Products. Selection can be made as required.
- Option of Range, Rung, Square tube are available in Kemrock's Cable Management Products. Selection can be made as required.
- Please refer the specifications and tables given on the following pages.

For more information or to order, call +91 9558810744, +91 9558810944 or Email us at sales@kemrock.com

100mm CABLE LADDER SYSTEMS

Cable Ladder System 100mm	Standard Product	Alternative Options	Additional Information
Resin Systems	Isophthalic Polyester	Vinylester, Acrylic, Phenolic	Antistatic on Request
Length	2.99mtr.	up to 6mtr.	
Widths	150-900mm	sizes as required	FRP Unistrut/Box
Rung Spacing	300mm	250,500mm	
Construction	Stainless steel fastness and assembly plates	Grade & Type Required.	
Radius of Bends	300 mm	500, 600 mm	
Angle of Bends	45° or 90° <small>(To select the standard product use reference number shows)</small>	30° or 60°	



C-Type Channel
(100 x 30 x 4 mm)
Range:
150 - 600mm Wide
Rung:
40 x 20 x 3.8 mm
with Fasteners



I-Type Channel
(100 x 40 x 4 mm)
Range:
150 - 600mm Wide
Rung:
40x20x3.8 mm
with Fasteners



C-Type Channel
(100 x 30 x 6 mm)
Range:
150 - 900mm Wide
Sq.Pipe:
25 x 25 x 3 mm
Nylon Bush



E-Type Channel
Range:
150 - 900mm Wide
Sq.Pipe:
25 x 25 x 3 mm
Nylon Bush



C-Type Channel
(100 x 30 x 4 mm)
Range:
150 - 600mm Wide
Sq.Pipe:
25 x 25 x 3 mm
Nylon Bush



C-Type Channel
(100 x 30 x 6 mm)
Range:
150 - 900mm Wide
Rung:
40 x 20 x 3.8 mm
with Fasteners



E-Type Channel
Range:
150 - 900mm Wide
Rung:
25x25x3.8 mm
with Fasteners

PERFORATED CABLE TRAY SYSTEMS



Perforated Cable Tray (Type 1)

CODE	Dimension (mm)		
	Width	Height	Thickness
KCT - T1	50	25	2.5
KCT - T1	50	50	2.5
KCT - T1	70	40	4
KCT - T1	80	30	3
KCT - T1	100	50	3
KCT - T1	150	50	3
KCT - T1	150	100	3
KCT - T1	200	50	3
KCT - T1	300	100	4.5
KCT - T1	300	50	4.5



Perforated Cable Tray (Type 2)

CODE	Dimension (mm)		
	Width	Height	Thickness
KCT - T2	50	50	2.5
KCT - T2	100	50	2.5
KCT - T2	100	100	2.5
KCT - T2	200	100	2.5

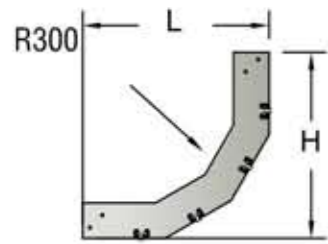
Accessories for Perforated Cable Tray System

CODE	45° HZ BEND	CODE	90° HZ BEND	Dimension (mm)		
				Width	Height	Thickness
KCT - HZ B 5045		KCT - HZ B 5090		50	25	2.5
KCT - HZ B 5045		KCT - HZ B 5090		50	50	3
KCT - HZ B 8045		KCT - HZ B 8090		80.5	30	3
KCT - HZ B 1045		KCT - HZ B 1090		100	50	3
KCT - HZ B 1545		KCT - HZ B 1590		150	50	3
KCT - HZ B 1545		KCT - HZ B 1590		150	100	4.5
KCT - HZ B 2045		KCT - HZ B 2090		200	50	3
KCT - HZ B 2045		KCT - HZ B 2090		208	120	4.5
KCT - HZ B 3045		KCT - HZ B 3090		300	100	4.5

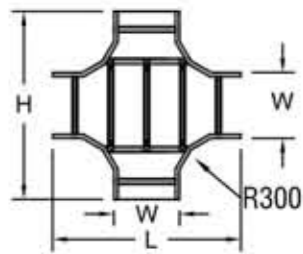
CODE	45° VI BEND	CODE	90° VI BEND	Dimension (mm)		
				Width	Height	Thickness
KCT - VI 5045		KCT - VI 5090		50	25	2.5
KCT - VI 5045		KCT - VI 5090		50	50	3
KCT - VI 8045		KCT - VI 8090		80.5	30	3
KCT - VI 1045		KCT - VI 1090		100	50	3
KCT - VI 1545		KCT - VI 1590		150	50	3
KCT - VI 1545		KCT - VI 1590		150	100	4.5
KCT - VI 2045		KCT - VI 2090		200	50	3
KCT - VI 2045		KCT - VI 2090		208	120	4.5
KCT - VI 3045		KCT - VI 3090		300	100	4.5

CODE	45° VO BEND	CODE	90° VO BEND	Dimension (mm)		
				Width	Height	Thickness
KCT - VO 5045		KCT - VO 5090		50	25	2.5
KCT - VO 5045		KCT - VO 5090		50	50	3
KCT - VO 8045		KCT - VO 8090		80.5	30	3
KCT - VO 1045		KCT - VO 1090		100	50	3
KCT - VO 1545		KCT - VO 1590		150	50	3
KCT - VO 1545		KCT - VO 1590		150	100	4.5
KCT - VO 2045		KCT - VO 2090		200	50	3
KCT - VO 2045		KCT - VO 2090		208	120	4.5
KCT - VO 3045		KCT - VO 3090		300	100	4.5

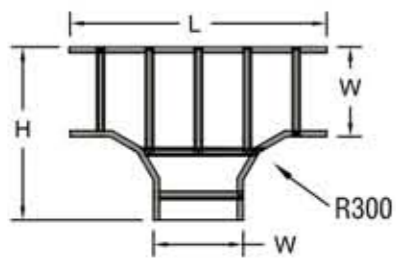
90° VERTICAL INSIDE BEND



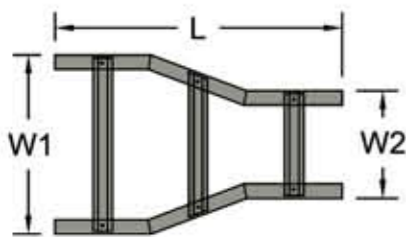
EQUAL CROSS



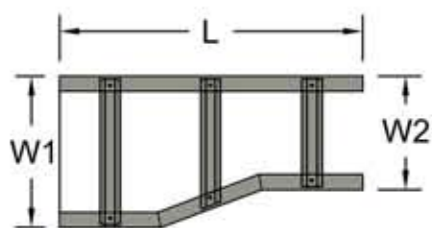
EQUAL TEE



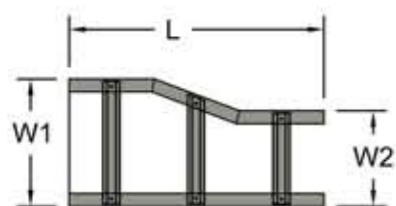
REDUCER STRAIGHT



REDUCER R/HAND



REDUCER L/HAND



Note: Customized accessories are also available on request.

CODE	Width	Height		Length	
		100	150	100	150
KCL - VI B 1590	150	525	575	525	575
KCL - VI B 2090	200	525	575	525	575
KCL - VI B 3090	300	525	575	525	575
KCL - VI B 4090	400	525	575	525	575
KCL - VI B 4590	450	525	575	525	575
KCL - VI B 6090	600	525	575	525	575
KCL - VI B 7590	750	525	575	525	575
KCL - VI B 9090	900	525	575	525	575
KCL - VI B 10090	1000	496	532	276	326

CODE	Width	Height	Length
KCL - X 150	150	1000	1000
KCL - X 200	200	1050	1050
KCL - X 300	300	1150	1150
KCL - X 400	400	1250	1250
KCL - X 450	450	1300	1300
KCL - X 600	600	1450	1450
KCL - X 750	750	1600	1600
KCL - X 900	900	1750	1750
KCL - X 1000	1000	1850	1850

CODE	Width	Height	Length
KCL - T 150	150	575	1000
KCL - T 200	200	625	1050
KCL - T 300	300	725	1150
KCL - T 400	400	825	1250
KCL - T 450	450	875	1300
KCL - T 600	600	1025	1450
KCL - T 750	750	1175	1600
KCL - T 900	900	1325	1750
KCL - T 1000	1000	1425	1850

CODE	W1	W2	Length
KCL - R 3015	300	150	501
KCL - R 4015	400	150	549
KCL - R 4030	400	300	515
KCL - R 4530	450	300	557
KCL - R 6030	600	300	572
KCL - R 6045	600	450	557
KCL - R 7560	750	600	557
KCL - R 9075	900	750	572
KCL - R 10075	1000	750	620

CODE	W1	W2	Length
KCL - RR 3015	300	150	573
KCL - RR 4015	400	150	775
KCL - RR 4030	400	300	568
KCL - RR 4530	450	300	637
KCL - RR 6030	600	300	715
KCL - RR 6045	600	450	573
KCL - RR 7560	750	600	573
KCL - RR 9075	900	750	573
KCL - RR 10075	1000	750	668

CODE	W1	W2	Length
KCL - RL 3015	300	150	573
KCL - RL 4015	400	150	775
KCL - RL 4030	400	300	568
KCL - RL 4530	450	300	637
KCL - RL 6030	600	300	715
KCL - RL 6045	600	450	573
KCL - RL 7560	750	600	573
KCL - RL 9075	900	750	573
KCL - RL 10075	1000	750	668

150mm CABLE LADDER SYSTEMS

Cable Ladder System 150mm	Standard Product	Alternative Options	Additional Information
Resin Systems	Isophthalic Polyester	Vinylester, Modar, Phenolic	Antistatic on Request
Length	2.99mtr.	up to 6mtr.	FRP "C" & "E" CHANNEL
Widths	150-1200mm	sizes as required	FRP Unistrut/Box
Rung Spacing	300mm	250,500mm	
Construction	Stainless steel fastness and assembly plates	Grade & Type Required.	
Radius of Bends	300 mm	500, 600 mm	
Angle of Bends	45° or 90° <small>(To select the standard product use reference number shows)</small>	30° or 60°	



KCL T5A
C-Type Channel
(150 x 40 x 6 mm)
Range:
150 - 1200mm Wide
Rung:
40 x 20 x 3.8 mm
with Fasteners



KCL T6
I-Type Channel
(150 x 53 x 6 mm)
Range:
150 - 1200mm Wide
Rung:
40x25x3.8 mm
with Fasteners



KCL T7B
E-Type Channel
Range:
150 - 1200mm Wide
Sq.Pipe:
25 x 25 x 3 mm
Nylon Bush



KCL T5B
C-Type Channel
(150 x 40 x 6 mm)
Range:
150 - 1200mm Wide
Sq.Pipe:
25 x 25 x 3 mm
Nylon Bush



KCL T7A
E-Type Channel
Range:
150 - 1200mm Wide
Sq.Pipe:
38 x 38 x 6 mm
with Fasteners

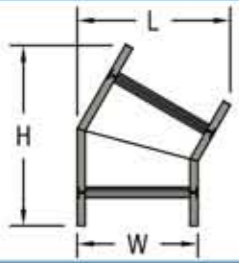
Load Data Requirements

There shall be three working load classifications of fiberglass cable tray based on 6m (20 Ft.) support span with a minimum safety factor of 1.5 Span Support criteria shall be as specified in the table:

Support Span Ft.(m)	Working Load in Lbs./Lineal Ft. (kg/m)			Class	Working Load
	Class A	Class B	Class C		
20 (6.1)	50 (74.5)	75 (111.7)	100 (149)	A	50 Lbs. / Lineal Foot(74.5kg/m)
20 (6.1)	61 (90.9)	92 (137)	123 (183.2)	B	75 Lbs. / Lineal Foot(111.7kg/m)
20 (6.1)	78 (116.2)	117 (174.3)	156 (232.4)	C	100 Lbs. / Lineal Foot(149kg/m)
20 (6.1)	100 (149)	150 (223.4)	200 (297.9)		
20 (6.1)	139 (207)	208 (299.8)	-		
20 (6.1)	200 (297.9)	-	-		

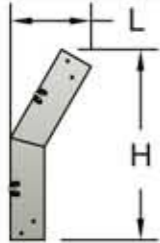
ACCESSORIES FOR 100mm & 150mm CABLE LADDER SYSTEM

30° HORIZONTAL BEND



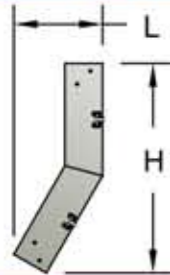
CODE	Width	Height		Length	
		100	150	100	150
KCL - HZ B 1530	150	458	253		
KCL - HZ B 2030	200	483	303		
KCL - HZ B 3030	300	553	403		
KCL - HZ B 4030	400	583	503		
KCL - HZ B 4530	450	608	553		
KCL - HZ B 6030	600	683	703		
KCL - HZ B 7530	750	758	853		
KCL - HZ B 9030	900	833	1003		
KCL - HZ B 10030	1000	883	1103		

30° VERTICAL OUTSIDE BEND



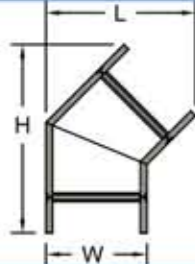
CODE	Width	Height		Length	
		100	150	100	150
KCL - VO B 1530	150	433	203	253	
KCL - VO B 2030	200	433	203	253	
KCL - VO B 3030	300	433	203	253	
KCL - VO B 4030	400	433	203	253	
KCL - VO B 4530	450	433	203	253	
KCL - VO B 6030	600	433	203	253	
KCL - VO B 7530	750	433	203	253	
KCL - VO B 9030	900	433	203	253	
KCL - VO B 10030	1000	433	203	253	

30° VERTICAL INSIDE BEND



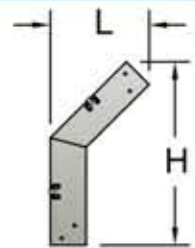
CODE	Width	Height		Length	
		100	150	100	150
KCL - VI B 1530	150	433	203	253	
KCL - VI B 2030	200	433	203	253	
KCL - VI B 3030	300	433	203	253	
KCL - VI B 4030	400	433	203	253	
KCL - VI B 4530	450	433	203	253	
KCL - VI B 6030	600	433	203	253	
KCL - VI B 7530	750	433	203	253	
KCL - VI B 9030	900	433	203	253	
KCL - VI B 10030	1000	433	203	253	

45° HORIZONTAL BEND



CODE	Width	Height		Length	
		100	150	100	150
KCL - HZ B 1545	150	532	326		
KCL - HZ B 2045	200	567	376		
KCL - HZ B 3045	300	638	476		
KCL - HZ B 4045	400	708	576		
KCL - HZ B 4545	450	749	626		
KCL - HZ B 6045	600	850	776		
KCL - HZ B 7545	750	956	926		
KCL - HZ B 9045	900	1062	1076		
KCL - HZ B 10045	1000	1133	1176		

45° VERTICAL OUTSIDE BEND



CODE	Width	Height		Length	
		100	150	100	150
KCL - VO B 1545	150	496	276	326	
KCL - VO B 2045	200	496	276	326	
KCL - VO B 3045	300	496	276	326	
KCL - VO B 4045	400	496	276	326	
KCL - VO B 4545	450	496	276	326	
KCL - VO B 6045	600	496	276	326	
KCL - VO B 7545	750	496	276	326	
KCL - VO B 9045	900	496	276	326	
KCL - VO B 10045	1000	496	276	326	

How To Order Accessories Of Cable Ladder System

KCL HZ B 1530 - Example

KCL

HZ B

1530

Product Name

Type

Dimension

Kemrock Cable Ladder

Horizontal Bend

150mm Wide - 30°

The Code No. remains same for 100 or 150 Height. Selection of the width, degrees, radius is to be done as required.

CODE	Width	Height		Length	
		100	150	100	150
KCL - VI B 1545	150	496	276	326	
KCL - VI B 2045	200	496	276	326	
KCL - VI B 3045	300	496	276	326	
KCL - VI B 4045	400	496	276	326	
KCL - VI B 4545	450	496	276	326	
KCL - VI B 6045	600	496	276	326	
KCL - VI B 7545	750	496	276	326	
KCL - VI B 9045	900	496	276	326	
KCL - VI B 10045	1000	496	276	326	

CODE	Width	Height		Length	
		100	150	100	150
KCL - HZ B 1560	150	577	408		
KCL - HZ B 2060	200	621	458		
KCL - HZ B 3060	300	707	558		
KCL - HZ B 4060	400	794	658		
KCL - HZ B 4560	450	837	708		
KCL - HZ B 6060	600	967	858		
KCL - HZ B 7560	750	1097	1008		
KCL - HZ B 9060	900	1227	1158		
KCL - HZ B 10060	1000	1313	1258		

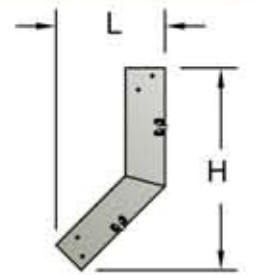
CODE	Width	Height		Length	
		100	150	100	150
KCL - VO B 1560	150	534	358	408	
KCL - VO B 2060	200	534	358	408	
KCL - VO B 3060	300	534	358	408	
KCL - VO B 4060	400	534	358	408	
KCL - VO B 4560	450	534	358	408	
KCL - VO B 6060	600	534	358	408	
KCL - VO B 7560	750	534	358	408	
KCL - VO B 9060	900	534	358	408	
KCL - VO B 10060	1000	534	358	408	

CODE	Width	Height		Length	
		100	150	100	150
KCL - VI B 1560	150	534	358	408	
KCL - VI B 2060	200	534	358	408	
KCL - VI B 3060	300	534	358	408	
KCL - VI B 4060	400	534	358	408	
KCL - VI B 4560	450	534	358	408	
KCL - VI B 6060	600	534	358	408	
KCL - VI B 7560	750	534	358	408	
KCL - VI B 9060	900	534	358	408	
KCL - VI B 10060	1000	534	358	408	

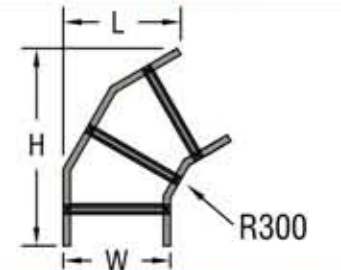
CODE	Width	Height		Length	
		100	150	100	150
KCL - HZ B 1590	150	575	575		
KCL - HZ B 2090	200	625	625		
KCL - HZ B 3090	300	725	725		
KCL - HZ B 4090	400	825	825		
KCL - HZ B 4590	450	875	875		
KCL - HZ B 6090	600	1025	1025		
KCL - HZ B 7590	750	1175	1175		
KCL - HZ B 9090	900	1325	1325		
KCL - HZ B 10090	1000	1425	1425		

CODE	Width	Height		Length	
		100	150	100	150
KCL - VO B 1590	150	525	525	575	
KCL - VO B 2090	200	525	525	575	
KCL - VO B 3090	300	525	525	575	
KCL - VO B 4090	400	525	525	575	
KCL - VO B 4590	450	525	525	575	
KCL - VO B 6090	600	525	525	575	
KCL - VO B 7590	750	525	525	575	
KCL - VO B 9090	900	525	525	575	
KCL - VO B 10090	1000	496	276	326	

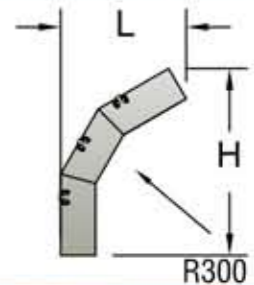
45° VERTICAL INSIDE BEND



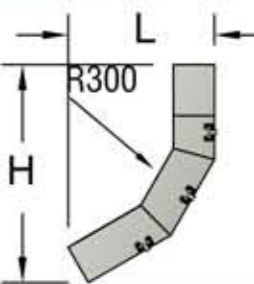
60° HZ BEND



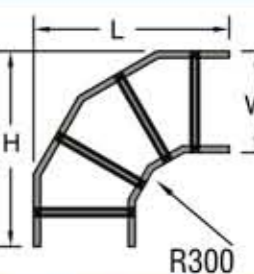
60° VERTICAL OUTSIDE BEND



60° VERTICAL INSIDE BEND



90° HORIZONTAL BEND



90° VERTICAL OUTSIDE BEND

