

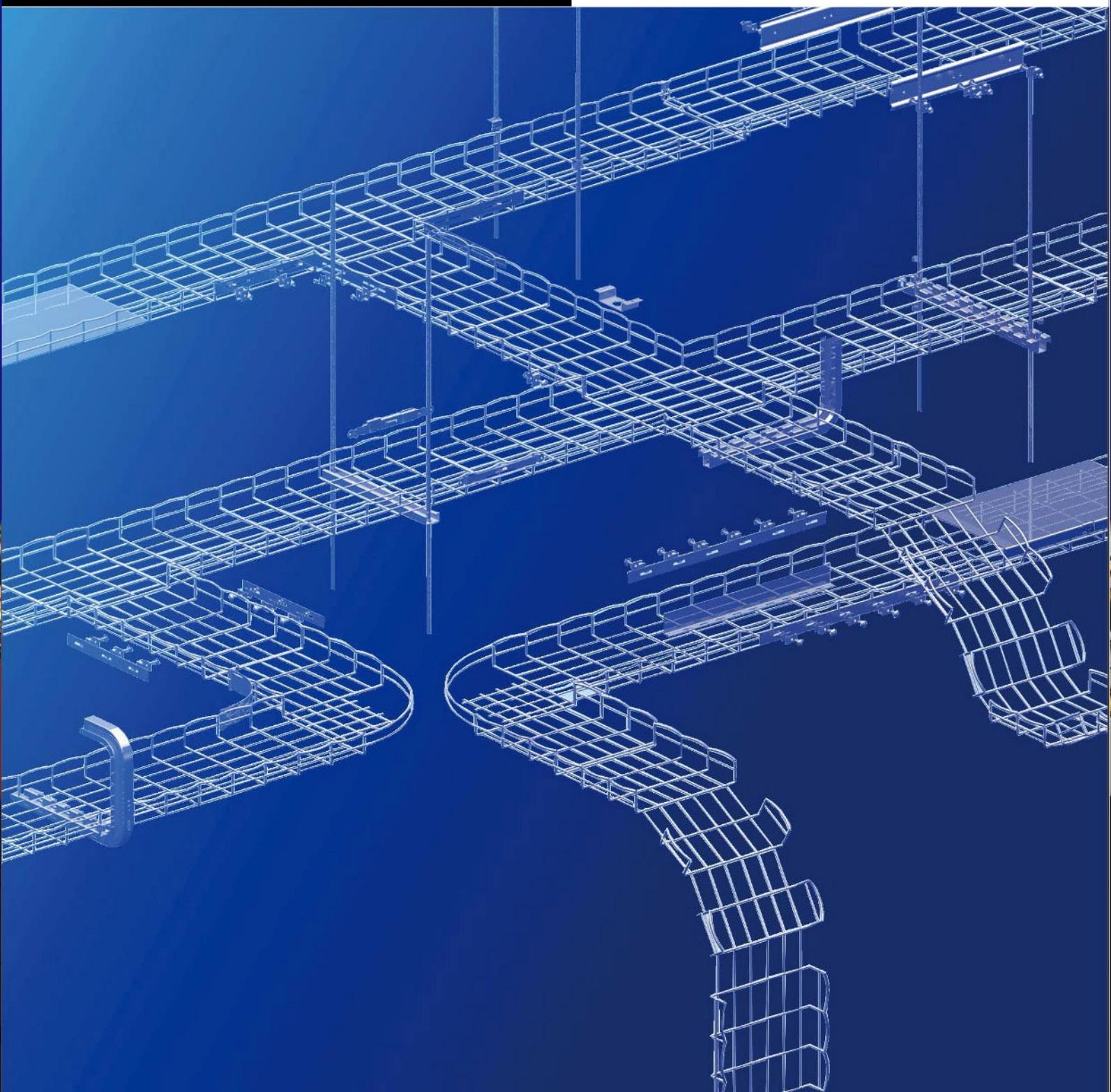


www.solarnetco.com

# SOLARNETTRAY

IT'S SIMPLE CABLE MANAGEMENT

BM Series





## سبد کابل سولار:

سیستم سبد کابل تولیدی توسط سولار شبکه از سیم فولاد ASTM A510 با مقاومت بالا تولید شده است. فرآیند جوشکاری به طور کامل خودکار ، تولید مش سیم مستمر، که مشابه با سیستم سبد خرید شکل گرفته است. استاندارد الگوی سیم‌های مش ۴ اینچ در ۲ اینچ ( 50x 100 میلیمتر ) برای حداکثر انعطاف پذیری طراحی شده است که هنگام عملیات نصب اجازه می دهد تا برش ها و خم ها آسان و درست انجام شده ، مونتاژ راحت را بدنبال داشته باشد این سیستم برای کابل کشی ساخت یافته بسیار سریع ، سازگار و اقتصادی می باشد.

## مزایا:

- وزن سبک ، تحمل بار سنگین
- قوی ، همه کاره
- آسان برای نصب و نگهداری

فراهم نمودن پوشش جهت حفاظت در برابر خوردگی ، بخش مهمی از سیستم سبد کابل و accessories.Standard پس از اتمام مونتاژ سبد کابل سولار است که شامل هر یک از انواع پوشش به شرح زیر می باشد :

- E --- Electrostatic paint
- Z ----- Zinc Plated
- H ----- Hot Dip Galvanized
- S4 --- Stainless Steel SS304
- S6 --- Stainless Steel SS316



# TRAY SIZES

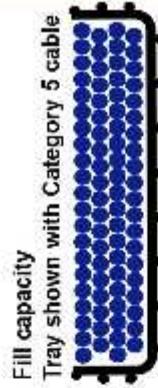
Part		DEPTH	WIDTH	LENGTH	WEIGHT
BM1-30X100X2000		3 cm	10 cm	200 cm	1.75 kg
BM1-30X150X2000		3 cm	15 cm	200 cm	2.22 kg
BM1-30X200X2000		3 cm	20 cm	200 cm	2.67 kg
BM1-30X300X2000		3 cm	30 cm	200 cm	3.63 kg
Part		DEPTH	WIDTH	LENGTH	WEIGHT
BM2-50X50X2000		5 cm	5 cm	200 cm	2.02 kg
BM2-50X100X2000		5 cm	10 cm	200 cm	2.49 kg
BM2-50X150X2000		5 cm	15 cm	200 cm	2.96 kg
BM2-50X200X2000		5 cm	20 cm	200 cm	3.43 kg
BM2-50X300X2000		5 cm	30 cm	200 cm	4.37 kg
BM2-50X400X2000		5 cm	40 cm	200 cm	5.31 kg
BM2-50X450X2000		5 cm	45 cm	200 cm	5.79 kg
BM2-50X500X2000		5 cm	50 cm	200 cm	6.25 kg
BM2-50X600X2000		5 cm	60 cm	200 cm	7.19 kg
★ BM2-50X650X2000		5 cm	65 cm	200 cm	7.65 kg
★ BM2-50X700X2000		5 cm	70 cm	200 cm	8.13 kg
Part		DEPTH	WIDTH	LENGTH	WEIGHT
BM3-100X100X2000		10 cm	10 cm	200 cm	3.43 kg
BM3-100X150X2000		10 cm	15 cm	200 cm	3.90 kg
BM3-100X200X2000		10 cm	20 cm	200 cm	4.37 kg
BM3-100X300X2000		10 cm	30 cm	200 cm	5.31 kg
BM3-100X400X2000		10 cm	40 cm	200 cm	6.25 kg
BM3-100X450X2000		10 cm	45 cm	200 cm	6.72 kg
BM3-100X500X2000		10 cm	50 cm	200 cm	7.19 kg
BM3-100X600X2000		10 cm	60 cm	200 cm	8.13 kg
★ BM3-100X650X2000		10 cm	65 cm	200 cm	9.07 kg
Part		DEPTH	WIDTH	LENGTH	WEIGHT
BM4-150X150X2000		15 cm	15 cm	200 cm	4.84 kg
BM4-150X200X2000		15 cm	20 cm	200 cm	5.31 kg
BM4-150X300X2000		15 cm	30 cm	200 cm	6.25 kg
BM4-150X400X2000		15 cm	40 cm	200 cm	7.19 kg
BM4-150X450X2000		15 cm	45 cm	200 cm	7.66 kg
BM4-150X500X2000		15 cm	50 cm	200 cm	8.13 kg

# Wire Basket - Technical Data



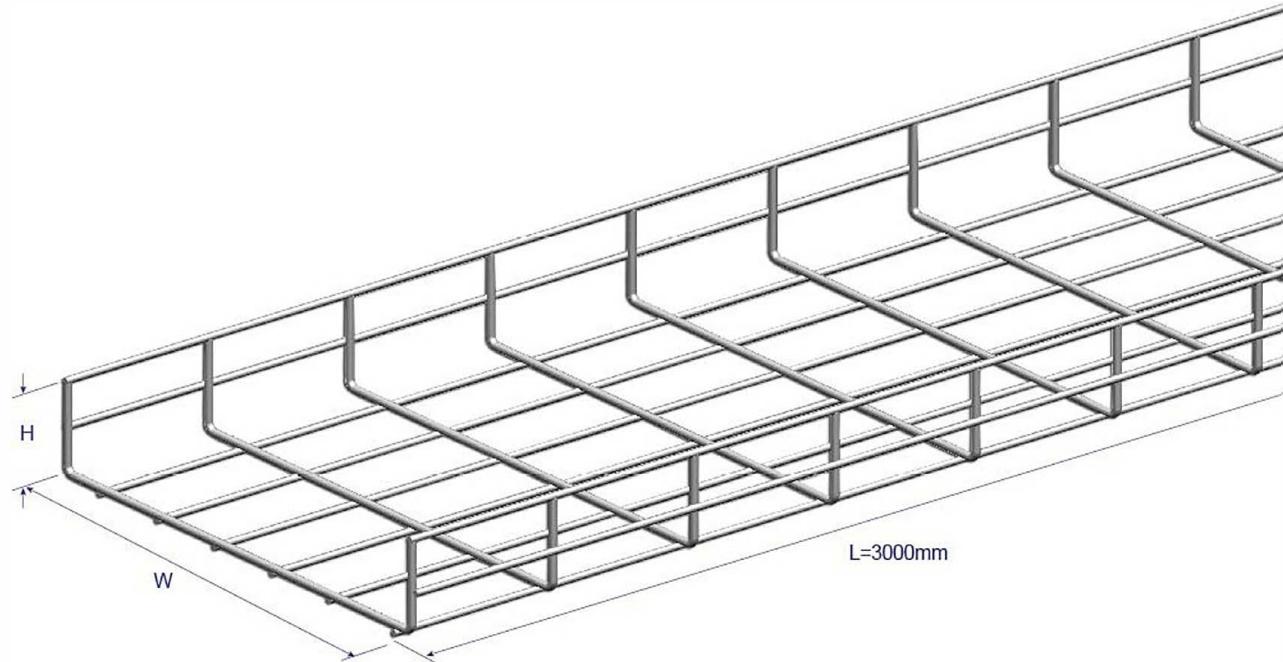
## LOAD & FILL CHARTS

**Cable Span of Support:** Load — lbs per foot. Published load chart has not been tested. Please consult the factory for load information when using the SolarNet mate splice option. CS Metals recommends that splices comply with NEMA VE-2 installation requirements. \*\* Fill Rates: Cables used for fill rate testing are 5mm in diameter. SolarNet tray fill capacity is based on NEC allowable fill of 50%. This rule requires that cable cross-sectional area together may not exceed 50% of the tray area (width x depth = fill). Fill capacities stated are based on typical Category 5 diameters (5mm dia.) in real-world tray installations. Cables will nearly completely fill the cable tray when reaching the 50% cable fill (see illustration below). When the tray is full, the total of the cable area is only 50% of the tray, due to empty space between the surface of the cable TIA recommends 40% fill ratio. SolarNet tray loads, as shown in the chart, will not be exceeded before fill capacity — see illustration.



Fill capacity  
Tray shown with Category 5 cable

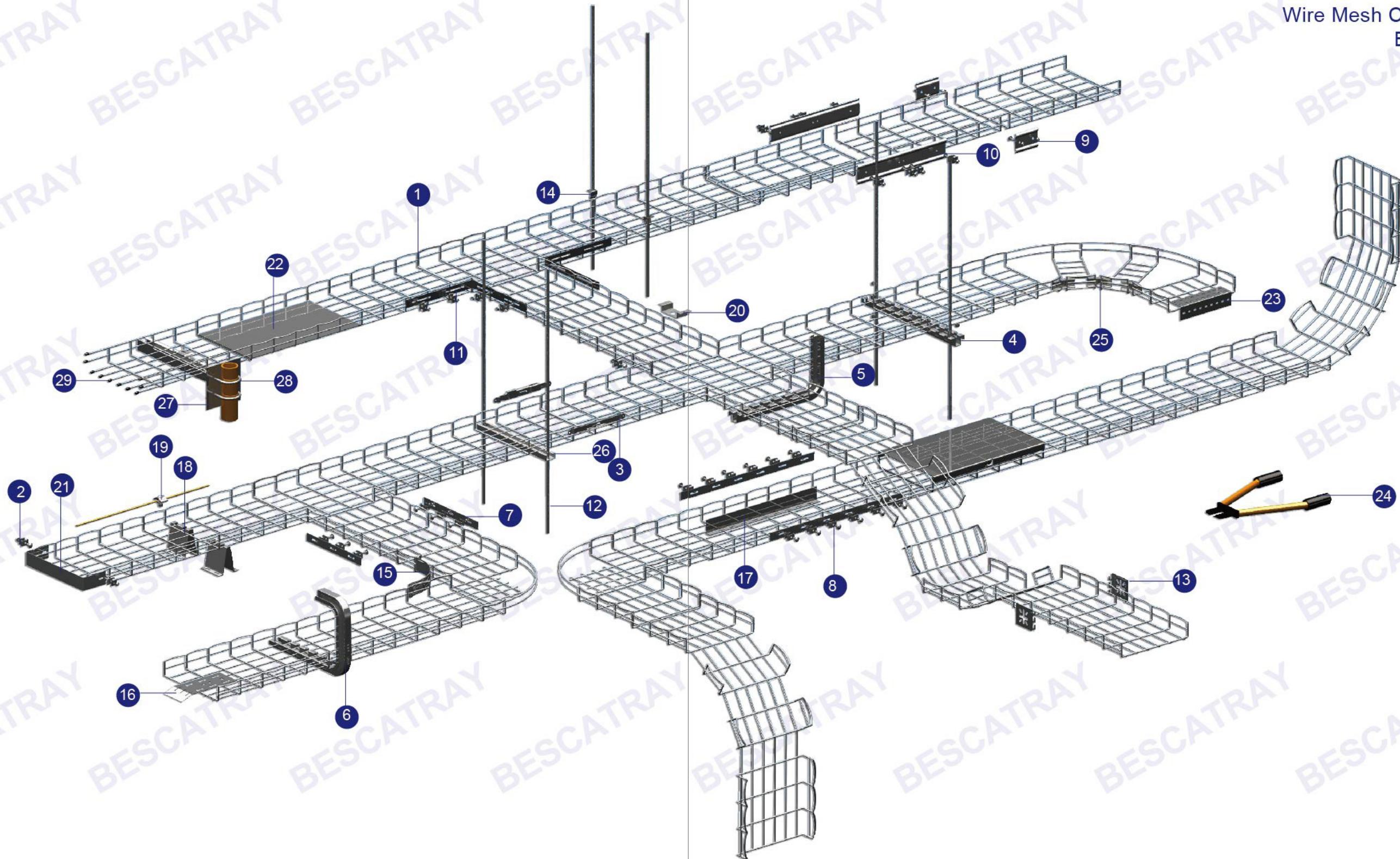
Cable Tray	Fill Area	Loads in kg/m per span				Max number of cables	Cat 5e 4-pr non-plenum(.19")	Cat 6e 4-pr Plenum(.22")	Cat 6a 4-pr Non-Plenum (.35")
		5' 125mm	6' 150mm	7' 175mm	8' 200mm				
<b>BM2-50-50-2000-5</b>	4.03" (26 cm <sup>2</sup> )	47.8	22.5	16.5	13.5	71 cbls	53 cbls	20 cbls	
<b>BM2-50-100-2000-5</b>	8.06" (52 cm <sup>2</sup> )	58.6	33.2	24.4	23.7	142 cbls	106 cbls	41 cbls	
<b>BM2-50-150-2000-5</b>	12.09" (78 cm <sup>2</sup> )	69.2	41	30.2	28.4	213 cbls	159 cbls	62 cbls	
<b>BM2-50-200-2000-5</b>	16.12" (104 cm <sup>2</sup> )	80.6	54.2	39.7	36.3	284 cbls	212 cbls	83 cbls	
<b>BM2-50-300-2000-5</b>	24.18" (156 cm <sup>2</sup> )	106.5	70	51.5	47.2	426 cbls	318 cbls	125 cbls	
<b>BM2-50-400-2000-5</b>	32.24" (208 cm <sup>2</sup> )	141.9	107.3	90.5	78	568 cbls	424 cbls	167 cbls	
<b>BM2-50-500-2000-5</b>	40.30" (260 cm <sup>2</sup> )	177.7	135.4	99.4	89.7	710 cbls	530 cbls	209 cbls	
<b>BM2-50-600-2000-5</b>	48.36" (312 cm <sup>2</sup> )	200.7	142	104.3	93.4	852 cbls	636 cbls	251 cbls	
<b>BM3-100-100-2000-5</b>	15.97" (103 cm <sup>2</sup> )	101.6	69	50.7	45.4	281 cbls	209 cbls	82 cbls	
<b>BM3-100-150-2000-5</b>	23.95" (154.5 cm <sup>2</sup> )	146.4	89.6	65.9	60.8	422 cbls	314 cbls	124 cbls	
<b>BM3-100-200-2000-5</b>	31.93" (206 cm <sup>2</sup> )	162.78	113.4	83.3	77.2	563 cbls	419 cbls	165 cbls	
<b>BM3-100-300-2000-5</b>	47.90" (309 cm <sup>2</sup> )	211.3	188.7	138.5	132.7	844 cbls	629 cbls	248 cbls	
<b>BM3-100-400-2000-5</b>	63.86" (412 cm <sup>2</sup> )	224.7	193.3	142	132	1126 cbls	839 cbls	331 cbls	
<b>BM3-100-500-2000-5</b>	79.83" (515 cm <sup>2</sup> )	224.7	193.3	142	132	1407 cbls	1049 cbls	414 cbls	
<b>BM3-100-600-2000-5</b>	95.79" (618 cm <sup>2</sup> )	224.7	193.3	142	132	1689 cbls	1259 cbls	497 cbls	
<b>BM4-150-300-2000-5</b>	68.82" (444 cm <sup>2</sup> )	261.7	230.6	169.5	146.3	1213 cbls	905 cbls	357 cbls	
<b>BM4-150-400-2000-5</b>	91.76" (592 cm <sup>2</sup> )	261.7	230.6	169.5	146.3	1618 cbls	1206 cbls	476 cbls	
<b>BM4-150-500-2000-5</b>	114.70" (740 cm <sup>2</sup> )	340	246.6	181	135.8	2022 cbls	1508 cbls	596 cbls	
<b>BM4-150-600-2000-5</b>	137.64" (888 cm <sup>2</sup> )	340	246.6	181	135.8	2427 cbls	1810 cbls	715 cbls	



## جدول سایز های پر مصرف سبد کابل

### BM Wire Mesh Cable Tray

Ordering Code	W (mm)	H (mm)	L (mm)
BM1-50Z	50	30	2000
BM1-100Z	100	30	2000
BM1-150Z	150	30	2000
BM1-200Z	200	30	2000
BM1-250Z	250	30	2000
BM1-300Z	300	30	2000
BM2-50Z	50	50	2000
BM2-100Z	100	50	2000
BM2-150Z	150	50	2000
BM2-200Z	200	50	2000
BM2-250Z	250	50	2000
BM2-300Z	300	50	2000
BM2-450Z	450	50	2000
BM2-600Z	600	50	2000
BM3-100Z	100	100	2000
BM3-150Z	150	100	2000
BM3-200Z	200	100	2000
BM3-250Z	250	100	2000
BM3-300Z	300	100	2000
BM3-450Z	450	100	2000
BM3-500Z	500	100	2000
BM3-600Z	600	100	2000



- 1 Wire Mesh Cable Tray Straight (BM\*)
- 2 Connector Assembly (WB4CA)
- 3 Faster Connector (WB-TLC)
- 4 Straight Bracket (BM-SB)
- 5 L Bracket (BM-LB)
- 6 U Bracket (BM-UB)

- 7 Splice Bar (Short) (BM-SBS)
- 8 Splice Bar (Long) (BM-SBL)
- 9 Splice Plate (Short) (BM-SPS)
- 10 Splice Plate (Long) (BM-SPL)
- 11 Tee Splice Bar (BM-TSB)
- 12 Hold Down Plate (BM-HDP)

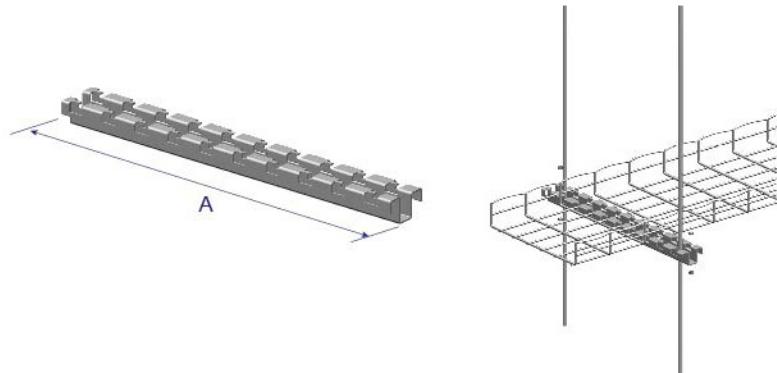
- 13 Wall Bracket (BM-WB)
- 14 Overhead Hanger Clip (BM-OHL)
- 15 Radius Shield (BM\*-RS)
- 16 Drop-out (BM-DO)
- 17 Barriers (BM\*-B)
- 18 Under Floor Stand (BM-UFS)

- 19 Grounding Clamp (BM-GC)
- 20 Conduit Connector (BM-CC)
- 21 Blind End (BM\*-BE)
- 22 Pan (BM-P)
- 23 Wall Termination Kit (BM-WTK)
- 24 Angular Bolt Cutter (BM-ABC)

- 25 Fastlock (BM-FL)
- 26 Heavy Duty Hung Support Kit (HDHS)
- 27 Under Floor Support Bracket (UFSB)
- 28 U-Bolts (UB)
- 29 Rubber Cap (RC)

### BM-SB Straight Bracket

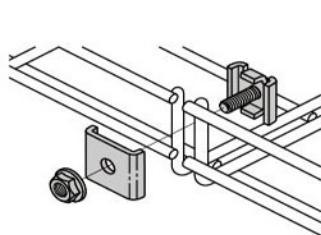
Ordering Code	W (mm)	A (mm)
BM-SB50Z	50	150
BM-SB100Z	100	200
BM-SB150Z	150	250
BM-SB200Z	200	300
BM-SB250Z	250	350
BM-SB300Z	300	400
BM-SB450Z	450	550
BM-SB600Z	600	700



**BM-SB Straight Bracket**

### WB4CA Connector Assembly

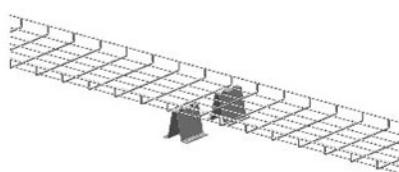
Ordering Code
WB4CA



**WB4CA Connector Assembly**

### BM-UFS Under Floor Stand

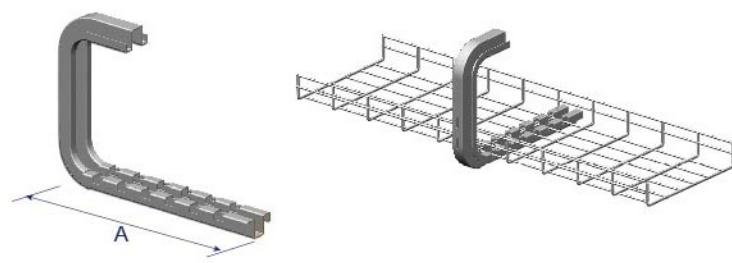
Ordering Code
BM-UFS



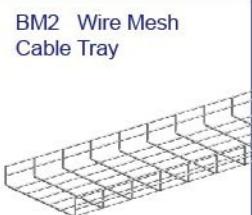
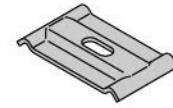
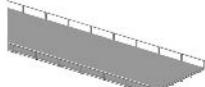
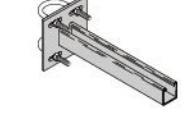
**BM-UFS Under Floor Stand**

### BM-UB U Bracket

Ordering Code	W (mm)	A (mm)
BM-UB50Z	50	100
BM-UB100Z	100	150
BM-UB150Z	150	200
BM-UB200Z	200	250
BM-UB250Z	250	300
BM-UB300Z	300	350
BM-UB450Z	450	500
BM-UB600Z	600	650

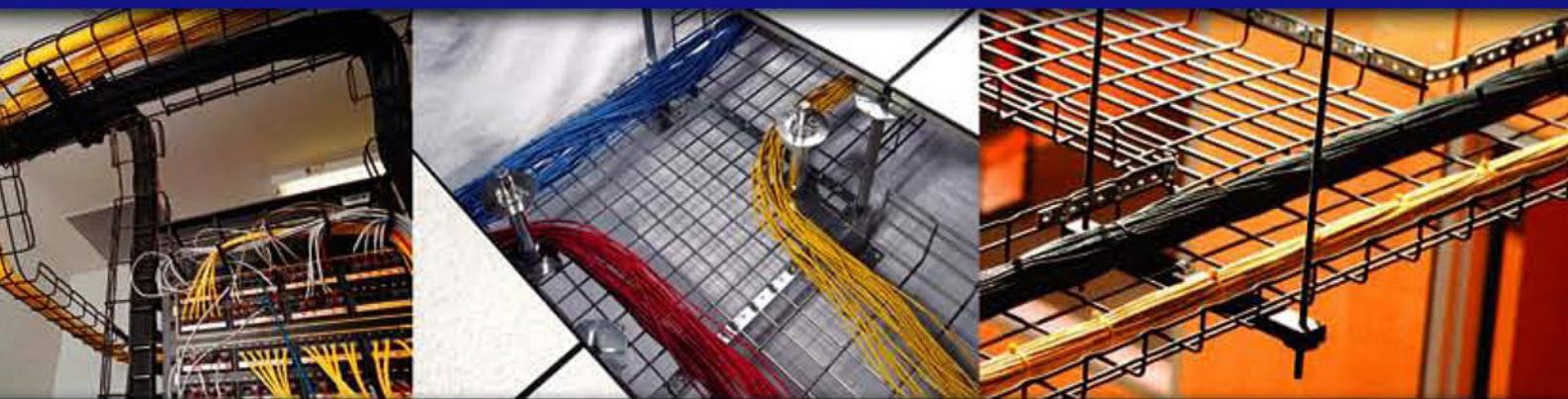


**BM-UB U Bracket**

BM2 Wire Mesh Cable Tray  P/05	BM5 Wire Mesh Cable Tray  P/06	BM-SB Straight Bracket  P/07	BM-SWB Strengthen Wall Bracket  P/07	BM-LB L Bracket  P/07
BM-UB U Bracket  P/07	WB4CA Connector Assembly  P/08	WB-TLC Faster Connector  P/08	BM-SBS Splice Bar (Short)  P/08	BM-SBL Splice Bar (Long)  P/08
BM-TSB Tee Splice Bar  P/09	BM-HDP Hold Down Plate  P/09	BM-WB Wall Bracket  P/09	BM-OHL Overhead Hanger Clip  P/09	BM-DO Drop-out  P/10
BM*-B Barriers  P/10	BM*-BE Blind End  P/10	BM-UFS Under Floor Stand  P/10	BM-GC Grounding Clamp  P/11	BM-CC Conduit Connector  P/11
BM-P Pan  P/11	HDHS Heavy Duty Hang Support Kit  P/11	UFSB Under Floor Support Bracket  P/11	BM-C Cover  P/12	BM-ABC Angular Bolt Cutter  P/12
BM-FL Fastlock  P/12	UB U-Bolts  P/12	BMRC Rubber Cap  P/12		

## فناوران سولار شبکه

تولید انواع سبد کابل (بستک) و مش استنلس استیل ، گالوانیزه و با پوشش رنگ الکترواستاتیک به همراه قطعات و اتصالات استاندارد جهت بستر کابل های شبکه (دیتا) و برق در دیتا سنترها ، نیروگاه ها ، صنایع غذایی و ...



آدرس:

تهران ، نارمک ، خیابان شهید مدنی ، بالاتر از مترو فدک ، مجتمع تجاری پالمیرا ، واحد ۸۰۴

تلفن / فکس : ۰۲۱-۷۷۸۵۱۶۹۶

همراه : ۰۹۹۱۷۱۷۹۳۸۳

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