

## Surface Raceway Systems

TSRP Power Rated Raceway System  
TSR Low Voltage Raceway System  
InfoStream™ Multi-Channel Raceway System

**HellermannTyton.**  
A SPIRENT Company

## Surface Raceways

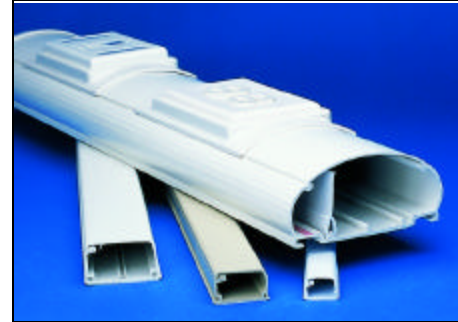
HellermannTyton's surface raceway systems are industry preferred for their sleek designs, labor savings features, and durability. With the recent addition of the new TSRP power surface raceway, HellermannTyton offers an integrated raceway package which fits together to meet the requirements of most any raceway application. Installed at school systems, hospitals, research centers, factories, offices, and many other end-user locations, HellermannTyton's raceway systems make the difference in aesthetics, durability and cost savings through designs which promote easy installation.

### TSRP — POWER SURFACE RACEWAY

HellermannTyton's TSRP power surface raceway is a one piece, non-metallic, adhesive backed latching raceway designed to aesthetically organize and route either power or communications cables.

#### TSRP Product Features

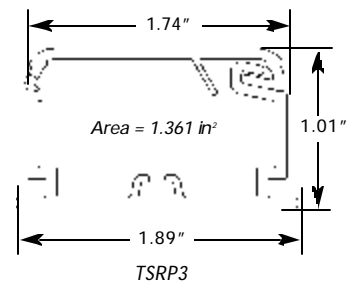
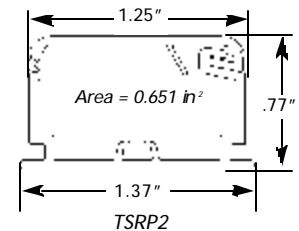
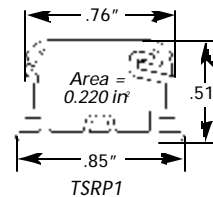
- Completely tamper resistant, the cover's self-locking, hidden positive latch permits quick re-entry as well as providing a secure installation of power cables.
- U.L. Listed for power up to 600 Volts, meeting UL5A and CSA 22.2 No. 62-93 Standards.
- Manufactured from UL 94V-0 rated PVC material
- Fittings incorporate a minimum 1" bend radius per TIA/EIA 568-B and 569-A standards.
- Large base for greater adhesive surface
- Rubber-based foam tape adhesive with high ultimate bond strength, which conforms to any surface.
- Flexible hinge allows the raceway to endure numerous openings without creating discoloration or stress cracking.
- Junction boxes can be used for electrical or data outlets.
- Designed to complement our industry standard TSR low voltage raceway system.



"Most people don't realize that there are many choices available when selecting a raceway. If you install the right raceway, it can make the entire room look good, while still offering excellent cable protection."

-Design/Build Customer

#### TSRP Product Dimensions



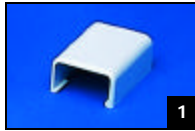
#### TSRP Product Selection

HELLERMANN TYTON PART NO	DESCRIPTION	DIMENSIONS	PKG QTY
<u>TSRP1 Raceway</u>			
<b>TSRP1X-6A</b>	3/4" One Piece Surface Raceway	3/4" (W) x 1/2" (H) x 6' (L)	120 feet of 6 foot lengths
<b>TSRP1X-8A</b>	3/4" One Piece Surface Raceway	3/4" (W) x 1/2" (H) x 8' (L)	160 feet of 8 foot lengths
<u>TSRP2 Raceway</u>			
<b>TSRP2X-6A</b>	1-1/4" One Piece Surface Raceway	1-1/4" (W) x 3/4" (H) x 6' (L)	120 feet of 6 foot lengths
<b>TSRP2X-8A</b>	1-1/4" One Piece Surface Raceway	1-1/4" (W) x 3/4" (H) x 8' (L)	160 feet of 8 foot lengths
<u>TSRP3 Raceway</u>			
<b>TSRP3X-6A</b>	1-3/4" One Piece Surface Raceway	1-3/4" (W) x 1" (H) x 6' (L)	120 feet of 6 foot lengths
<b>TSRP3X-8A</b>	1-3/4" One Piece Surface Raceway	1-3/4" (W) x 1" (H) x 8' (L)	160 feet of 8 foot lengths

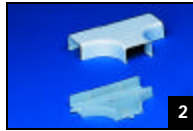
Replace "X" in the part number with the following letters for desired color: X = I (ivory), FW (office white), W (white)

## TSRP — POWER SURFACE RACEWAY ACCESSORIES

HellermannTyton provides a complete line of fittings to manage power cabling requirements. They are available for each raceway size in the following colors: electrical ivory, white, and office white.



**SPLICE COVER**  
TSRPX-14



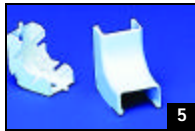
**TEE**  
TSRPX-21-1



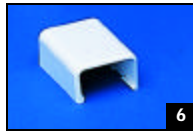
**ELBOW**  
TSRPX-25-1



**EXTERNAL CORNER**  
TSRPX-29-1



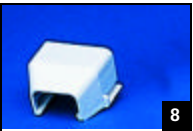
**INTERNAL CORNER**  
TSRPX-33-1



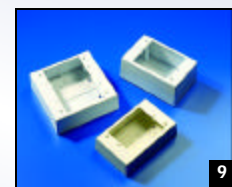
**END CAP**  
TSRPX-36



**CEILING DROP**  
TSRPX-50



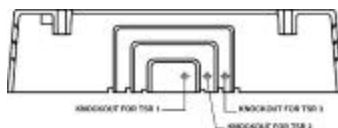
**REDUCER**  
TSRPX-12



**JUNCTION BOXES**  
TSRPX-JB1, TSRPX-JB2, &  
TSRPX-JBD

### Junction Boxes

Offered in a dual or single gang format, HellermannTyton's power-rated junction boxes are versatile enough for any power cabling application. Available in varying depths, these boxes are all equipped with concentric knockouts on all four sides for every TSRP size of raceway which eliminates routing and installation inconvenience. All three styles of junction boxes come with adhesive strips on the back of the base and #6 screws to secure the box to the base.



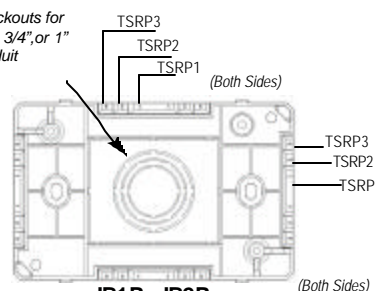
## TSRP Product Selection

PHOTO NO	HELLERMANN TYTON PART NO	DESCRIPTION	PKG QTY
<b>TSRP1 Fittings</b>			
1	TSRP1X-14	Splice Cover - 3/4"	10
2	TSRP1X-21-1	Tee - 3/4" -1" Bend Radius	10
3	TSRP1X-25-1	Elbow - 3/4" -1" Bend Radius	10
4	TSRP1X-29-1	External Corner - 3/4" -1" Bend Radius	10
5	TSRP1X-33-1	Internal Corner - 3/4" -1" Bend Radius	10
6	TSRP1X-36	End Cap - 3/4"	10
7	TSRP1X-50	Ceiling Drop - 3/4" -1" Bend Radius	10
<b>TSRP2 Fittings</b>			
1	TSRP2X-14	Splice Cover - 1-1/4"	10
2	TSRP2X-21-1	Tee - 1-1/4" -1" Bend Radius	10
3	TSRP2X-25-1	Elbow - 1-1/4" -1" Bend Radius	10
4	TSRP2X-29-1	External Corner - 1-1/4" -1" Bend Radius	10
5	TSRP2X-33-1	Internal Corner - 1-1/4" -1" Bend Radius	10
6	TSRP2X-36	End Cap - 1-1/4"	10
7	TSRP2X-50	Ceiling Drop - 1-1/4" -1" Bend Radius	10
<b>TSRP3 Fittings</b>			
1	TSRP3X-14	Splice Cover - 1-3/4"	10
2	TSRP3X-21-1	Tee - 1-3/4" -1" Bend Radius	10
3	TSRP3X-25-1	Elbow - 1-3/4" -1" Bend Radius	10
4	TSRP3X-29-1	External Corner - 1-3/4" -1" Bend Radius	10
5	TSRP3X-33-1	Internal Corner - 1-3/4" -1" Bend Radius	10
6	TSRP3X-36	End Cap - 1-3/4"	10
7	TSRP3X-50	Ceiling Drop - 1-3/4" -1" Bend Radius	10
<b>Reducers</b>			
8	TSRP1X-12	Reducer - 1-3/4" to 1-1/4" (TSRP3 to TSRP2)	10
8	TSRP2X-12	Reducer - 1-3/4" to 3/4" (TSRP3 to TSRP1)	10
8	TSRP3X-12	Reducer - 1-1/4" to 3/4" (TSRP2 to TSRP1)	10
<b>Junction Boxes</b>			
9	TSRPX-JB1	Single Gang - 3"(W) x 4.75"(L) x 1.25"(H)	1
9	TSRPX-JB2	Single Gang - 3"(W) x 4.75"(L) x 2"(H)	1
9	TSRPX-JBD	Dual Gang - 4.91"(W) x 4.83"(L) x 1.25"(H)	1

Replace "X" in the part number with the following letters for desired color: X = I (ivory), FW (office white), W (white)

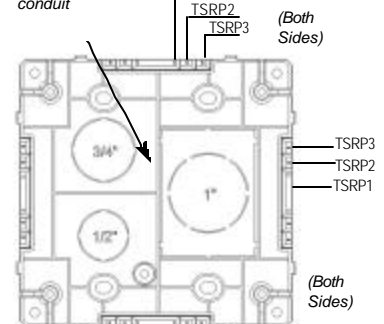
## TSRP Knockout Locations

Knockouts for 1/2", 3/4", or 1" conduit



**JB1P, JB2P - SINGLE GANG**

Knockouts for 1/2", 3/4", or 1" conduit



**JBDP - DUAL GANG**

# Surface Raceways

## TSR — LOW VOLTAGE SURFACE RACEWAY

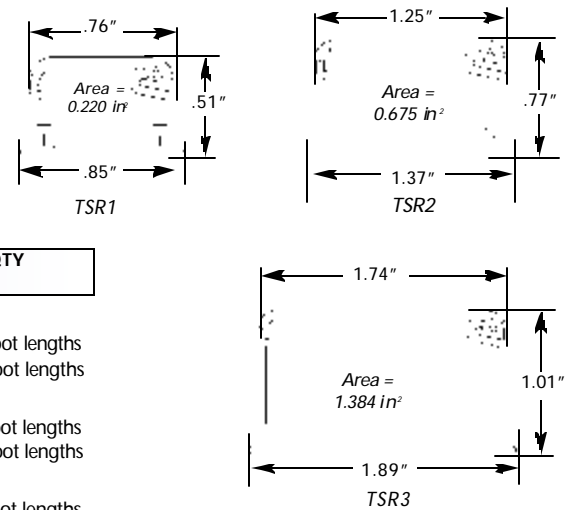
HellermannTyton's low voltage raceway (TSR) is a one piece, non-metallic, adhesive backed latching raceway designed to aesthetically organize and route communications wires including high speed UTP cable and fiber optic cable from the telecommunications area to the workstation.

### TSR Product Features

- Tamper resistant, the cover's self-locking, hidden positive latch permits quick re-entry as well as providing a secure installation of premise wire.
- Manufactured from UL 94V-0 rated PVC material
- Fittings incorporate a minimum 1" bend radius per TIA/EIA 568-B and 569-A standards.
- Rubber-based foam tape adhesive with high ultimate bond strength conforms to any surface.
- Flexible hinge allows the raceway to endure numerous openings without creating discoloration or stress cracking.
- Junction boxes can be used for electrical or data outlets
- Available in 6 and 8 ft. lengths in three widths – 3/4", 1-1/4" and 1-3/4" for varying cabling requirements .



### TSR Product Dimensions



### TSR Product Selection

HELLERMANN TYTON PART NO	DESCRIPTION	DIMENSIONS	PKG QTY
<u>TSR1 Raceway</u>			
<b>TSR1X-6A</b>	3/4" One Piece Surface Raceway	3/4" (W) x 1/2" (H) x 6'(L)	120 feet of 6 foot lengths
<b>TSR1X-8A</b>	3/4" One Piece Surface Raceway	3/4" (W) x 1/2" (H) x 8'(L)	160 feet of 8 foot lengths
<u>TSR2 Raceway</u>			
<b>TSR2X-6A</b>	1-1/4" One Piece Surface Raceway	1-1/4" (W) x 3/4" (H) x 6'(L)	120 feet of 6 foot lengths
<b>TSR2X-8A</b>	1-1/4" One Piece Surface Raceway	1-1/4" (W) x 3/4" (H) x 8'(L)	160 feet of 8 foot lengths
<u>TSR3 Raceway</u>			
<b>TSR3X-6A</b>	1-3/4" One Piece Surface Raceway	1-3/4" (W) x 1" (H) x 6'(L)	120 feet of 6 foot lengths
<b>TSR3X-8A</b>	1-3/4" One Piece Surface Raceway	1-3/4" (W) x 1" (H) x 8'(L)	160 feet of 8 foot lengths

Replace "X" in the part number with the following letters for desired color: X = I (ivory), FW (office white), W (white)

### TSR and TSRP Wire Fill Chart

Wire Type	Wire Size	O.D. of Wire	Low Voltage - TSR						Power Rated - TSRP								
			TSR1		TSR2		TSR3		TSRP 1		TSRP 2		TSRP3				
			A = 0.220 in <sup>2</sup>	Spec	Max	A = 0.675 in <sup>2</sup>	Spec	Max	A = 1.384 in <sup>2</sup>	Spec	Max	A = 0.220 in <sup>2</sup>	Spec	Max	A = 0.651 in <sup>2</sup>	Spec	Max
Twisted Pair 24 AWG Unshielded	2 Pr.	0.140	5	8	17	26	35	53	5	8	16	25	35	53			
	3 Pr.	0.150	4	7	15	22	31	46	4	7	14	22	30	46			
	4 Pr. Cat 5e	0.217	2	3	7	10	14	22	2	3	7	10	14	22			
	4 Pr. Cat 6	0.240	1	2	5	8	12	18	1	2	5	8	12	18			
Coax	25 Pr.	0.410	0	0	2	3	4	6	0	0	1	2	4	6			
	RG58/U	0.193	3	4	9	13	18	28	2	4	8	13	18	27			
	RG59/U or RG62/U	0.242	1	2	5	8	12	18	1	2	4	6	9	14			
Fiber Optic FA Jacket OFNP	RG6/U	0.270	1	2	4	7	9	14	1	2	4	6	9	14			
	2 Strand	0.175	3	5	11	16	23	34	3	5	10	16	22	33			
	4 Strand	0.185	3	4	10	15	20	30	3	4	9	14	20	30			
Electrical Wire	6 Strand	0.210	2	3	7	11	15	23	2	3	7	11	15	23			
	14 AWG THHN	0.105	-	-	-	-	-	-	-	8	-	11	-	15			
	12 AWG THHN	0.122	-	-	-	-	-	-	-	6	-	9	-	12			
	10 AWG THHN	0.153	-	-	-	-	-	-	-	4	-	6	-	7			

Formula used to calculate communications wire fill capacity - Numbers of wires = duct / (1/4 x 3.14 x (wire o.d.)<sup>2</sup> x 0.4 or 0.6. Per ANSI/TIA/EIA-569-A:  
 SPEC = 40% fill which is recommended for planning perimeter pathways  
 MAX (for data) = 60% fill which is allowed to accommodate unplanned additions after initial installation  
 MAX (for power) = Maximum number determined by UL temperature testing

## TSR — LOW VOLTAGE SURFACE RACEWAY ACCESSORIES

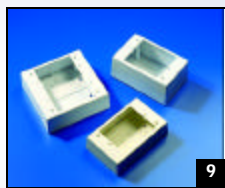
HellermannTyton provides a complete line of fittings to manage connectivity requirements from the telecommunications area to the workstation. Each size of raceway offers numerous fittings, offered in electrical ivory, white or office white, including TIA/EIA-568-B compliant 1" bend radius accessories which help ensure consistent data transmission performance of Category 5, 5e and 6 communications systems.



### TSR Product Selection

PHOTO NO	HELLERMANN TYTON PART NO	DESCRIPTION	PKG QTY
<b>TSR1 Fittings</b>			
1	TSR1X-14	Splice Cover - 3/4"	10
2	TSR1X-21-1	Tee Cover - 3/4" - 1" Bend Radius	10
3	TSR1X-25-1	Elbow Cover - 3/4" - 1" Bend Radius	10
4	TSR1X-29-1	External Cover - 3/4" - 1" Bend Radius	10
5	TSR1X-33-1	Internal Cover - 3/4" - 1" Bend Radius	10
6	TSR1X-36	End Cap - 3/4"	10
7	TSR1X-50	Ceiling Drop - 3/4"	10
<b>TSR2 Fittings</b>			
1	TSR2X-14	Splice Cover - 1-1/4"	10
2	TSR2X-21-1	Tee Cover - 1-1/4" - 1" Bend Radius	10
3	TSR2X-25-1	Elbow Cover - 1-1/4" - 1" Bend Radius	10
4	TSR2X-29-1	External Cover - 1-1/4" - 1" Bend Radius	10
5	TSR2X-33-1	Internal Cover - 1-1/4" - 1" Bend Radius	10
6	TSR2X-36	End Cap - 1-1/4"	10
7	TSR2X-50	Ceiling Drop - 1-1/4"	10
<b>TSR3 Fittings</b>			
1	TSR3X-14	Splice Cover - 1-3/4"	10
2	TSR3X-21-1	Tee Cover - 1-3/4" - 1" Bend Radius	10
3	TSR3X-25-1	Elbow Cover - 1-3/4" - 1" Bend Radius	10
4	TSR3X-29-1	External Cover - 1-3/4" - 1" Bend Radius	10
5	TSR3X-33-1	Internal Cover - 1-3/4" - 1" Bend Radius	10
6	TSR3X-36	End Cap - 1-3/4"	10
7	TSR3X-50	Ceiling Drop - 1-3/4"	10
<b>Reducers</b>			
8	TSR1X-12	Reducer - 1-3/4" to 1-1/4" (TSR3 to TSR2)	10
8	TSR2X-12	Reducer - 1-3/4" to 3/4" (TSR3 to TSR1)	10
8	TSR3X-12	Reducer - 1-1/4" to 3/4" (TSR2 to TSR1)	10
<b>Junction Boxes</b>			
9	TSRX-JB1	Single Gang - 3"(W) x 4.75"(L) x 1.25"(H)	1
9	TSRX-JB2	Single Gang - 3"(W) x 4.75"(L) x 2"(H)	1
9	TSRX-JBD	Dual Gang - 4.91"(W) x 4.83"(L) x 1.25"(H)	1

Replace "X" in the part number with the following letters for desired color: X = I (ivory), FW (office white), W (white)

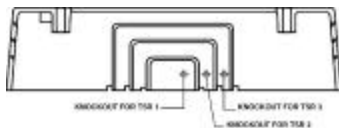


**JUNCTION BOXES**  
TSRX-JB1, TSRX-JB2, & TSRX-JBD

### Junction Boxes

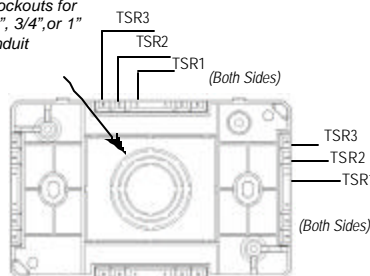
Offered in a dual or single gang format, HellermannTyton's low

voltage junction boxes are versatile enough for any network cabling application. Available in varying depths, these boxes are all equipped with concentric knockouts on all four sides for every TSR size of raceway which eliminates routing and installation inconvenience. All three styles of junction boxes come with adhesive strips on the back of the base and also #6 screws to secure the box to the base.



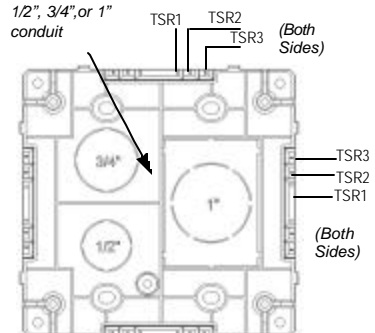
### TSR Knockout Locations

Knockouts for 1/2", 3/4", or 1" conduit



**JB1, JB2 - SINGLE GANG**

Knockouts for 1/2", 3/4", or 1" conduit



**JBD - DUAL GANG**

# Surface Raceways

## INFOSTREAM™ — MULTI-CHANNEL RACEWAY

HellermannTyton's InfoStream is a revolutionary design for a non-metallic raceway system. The elliptical shape is aesthetically pleasing to customers when compared to other designs. By using the three rails to snap in dividers, the InfoStream system can accommodate up to four separate channels of electrical, voice, data, video or fiber optic cabling. InfoStream's unique and patented design makes installation quicker and easier. The raceway and fittings are manufactured from a UL 94V-0 rated material.

### InfoStream™ Product Features

- All fittings are designed to maintain the required 1" minimum bend radius per TIA/EIA-568-A and 569-A standards.
- U.L. Listed to 600 Volts – meets new UL5A and CSA 22.2 No. 62-93 standards.
- Patented hinged cover speeds installation time by allowing the installer to partially mount cover prior to laying cables.
- Light weight also eases installation and reduces labor costs.
- Offset elbow is the only solution currently on the market for wall offsets between 2" - 6".
- Mates directly with HellermannTyton's TSR and TSRP single channel raceway systems.
- System is designed to accept all NEMA standard faceplates and devices.
- Offset box gives installer the option to offset electrical outlet above or below raceway.
- Cable tie mount retains cables inside of channel if necessary and accepts standard HellermannTyton cable ties.
- Entrance end fitting allows entrance into raceway from ceiling or through wall.



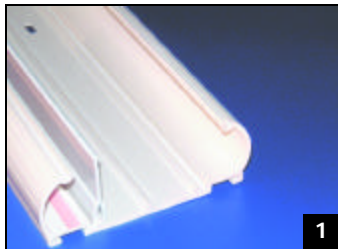
"I've had customers tell me that they thought the raceway was going to be this ugly stick hanging on the wall. But with the HellermannTyton raceway, it looks nice, blends in, and our customers are always impressed with it."

**-Contractor Customer**

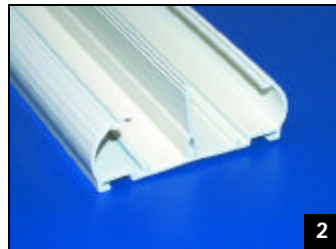


"The hinged cover (of HellermannTyton's InfoStream raceway) makes a great deal of difference during the installation. You don't have to use devices to hold the cable in place while you're installing the raceway."

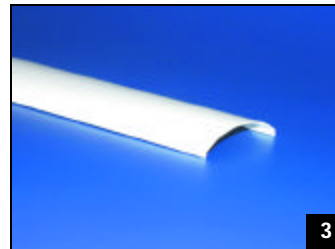
**-Contractor Customer**



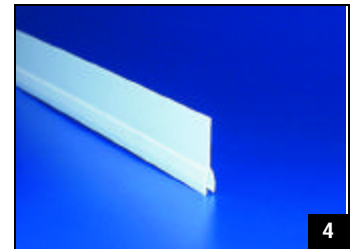
**Raceway Base with Side Divider**  
*MCRx-B8 or MCRx-B10*



**Raceway Base with Center Divider**  
*MCRx-B8 or MCRx-B10*



**Raceway Cover**  
*MCRx-C8 or MCRx-C10*



**Raceway Side Divider**  
*MCRW-SD8 or MCRW-SD10*

# INFOSTREAM™ — MULTI-CHANNEL RACEWAY

## InfoStream™ Product Features

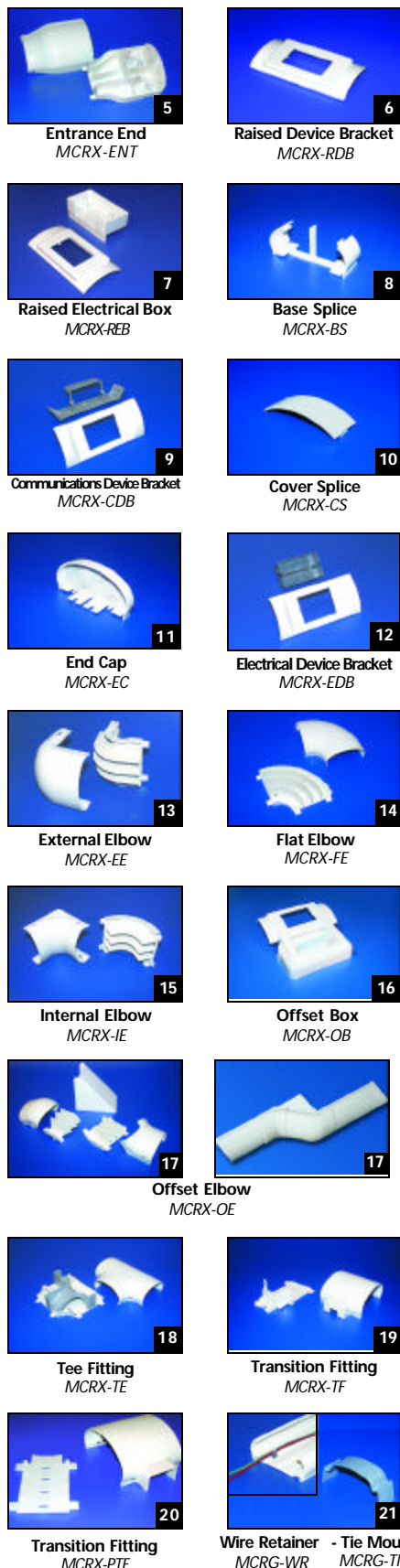
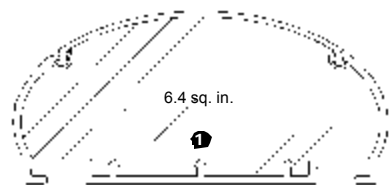


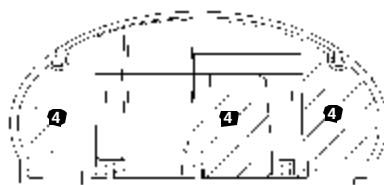
Photo No	HellermannTyton Part Number	Description	Pkg Qty	Carton Qty
1	MCRX-BS8	Raceway Base – 8 ft. with side divider	48 ft.	
1	MCRX-BS10	Raceway Base – 10 ft. with side divider <i>Base is supplied with pre-punched/slotted mounting holes every 8".</i>	60 ft.	
2	MCRX-B8	Raceway Base – 8 ft. with center divider	48 ft.	
2	MCRX-B10	Raceway Base – 10 ft. with center divider <i>Center and side dividers are not interchangeable.</i>	60 ft.	
3	MCRX-C8	Raceway Cover – 8 ft.	48 ft.	
3	MCRX-C10	Raceway Cover – 10 ft.	60 ft.	
4	MCRW-SD8	Raceway Side Divider – 8 ft.		96 ft.
4	MCRW-SD10	Raceway Side Divider– 10 ft. <i>Snaps onto either side of raceway base rails for proper power and data separation per UL/CSA.</i>		120 ft.
5	MCRX-ENT	Entrance End Fitting – <i>To enter InfoStream raceway. Includes conduit knockouts on back and top of fitting to allow for entry from ceiling or through wall. Knockout sizes: 3/4", 1", 1-1/4", 1-3/4", 2", and 2-1/2"</i>	1	20
6	MCRX-RDB	Raised Device Bracket Fitting- high capacity communication bracket used to mount single gang faceplates. - <i>Allows for additional wire fill space and additional device clearance.</i>	10	160
7	MCRX-REB	Raised Electrical Bracket Fitting - <i>Used to mount NEMA standard single gang electrical faceplates. Allows for additional low-voltage wire fill space.</i>	5 10	140 120
8	MCRX-BS	Base Splice – <i>Joins 2 sections of raceway base</i>	10	250
9	MCRX-CDB	Communications Device Bracket – <i>Used to mount single gang faceplates for communications devices - cover splice required for proper use.</i>	10	80
10	MCRX-CS	Cover Splice – <i>Joins 2 sections of raceway cover and required with use of CDB, EDB, and OB device brackets.</i>	10	500
11	MCRX-EC	End Cap – <i>Completes raceway or provides transition for 1/2", 3/4" and 1" conduit</i>	1	80
12	MCRX-EDB	Electrical Device Bracket – <i>Used to mount NEMA standard single gang electrical faceplates - cover splice required for proper use.</i>	10	120
13	MCRX-EE	External Elbow – <i>Joins raceway at 90° outside corner</i>	1	16
14	MCRX-FE	Flat Elbow – <i>Joins raceway at 90° flat angle</i>	1	24
15	MCRX-IE	Internal Elbow – <i>Joins raceway at 90° inside corner</i>	1	16
17	MCRX-OE	Offset Elbow – <i>For small wall offsets between 2"-6". Used in conjunction with piece of raceway. Corner filler included for a flush appearance.</i>	1	10
16	MCRX-OB	Offset Box – <i>Option for communications devices in raceway and electrical outlets on side</i>	1	20
18	MCRX-TE	Tee Fitting – <i>Joins 3 sections of raceway and includes divider</i>	1	15
19	MCRX-TF	Transition Fitting – <i>Knockouts are provided for TSR1, TSR2, and TSR3 Surface Raceway</i>	1	24
20	MCRX-PTF	Power Transition Fitting - <i>Knockouts are provided for TSRP1, TSRP2, and TSRP3 Surface Raceway.</i>		
21	MCRG-TM	Tie Mount – <i>Keeps wire &amp; cable bundled. Accepts standard HellermannTyton cable ties T18-T50</i>	100	4000
21	MCRG-WR	Wire Retainer – <i>Keeps wire &amp; cable in place.</i>	10	800

Replace "x" in the part number with the following letters for desired color: x = I (ivory), FW (office white)

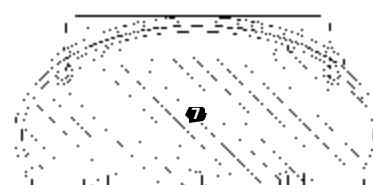
## INFOSTREAM™ — MULTI-CHANNEL RACEWAY



Base and Cover with No Devices



Data Only Using Communications Device Bracket (CDB)



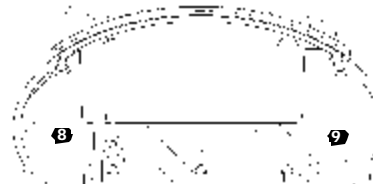
Data Only using Raised Bracket (RDB)



Offset Box (OB)



Power and Data Inline (EDB, CDB)



Power and Data Inline using Raised Brackets (REB, RDB)

### InfoStream™ Wire Fill Chart

LOW VOLTAGE			Channel 1 6.40in <sup>2</sup>	Channel 2 1.220in <sup>2</sup>	Channel 3 4.260in <sup>2</sup>	Channel 4 3.060in <sup>2</sup>	Channel 5 1.000in <sup>2</sup>	Channel 6 1.150in <sup>2</sup>	Channel 7 5.880in <sup>2</sup>	Channel 8 0.800in <sup>2</sup>	Channel 9 2.450in <sup>2</sup>
Wire Type	Wire Size	OD of Wire	Spec Max	Spec Max	Spec Max	Spec Max	Spec Max	Spec Max	Spec Max	Spec Max	Spec Max
Twisted Pair 24 AWG Unshielded	2 Pr.	0.140	166 249	31 47	110 166	79 119	25 38	29 44	152 229	20 31	63 95
	3 Pr.	0.150	144 217	27 41	96 144	69 103	22 33	26 39	133 199	18 27	55 83
	4 Pr. Cat 5e	0.217	69 103	13 19	46 69	33 49	10 16	12 18	63 95	8 12	26 39
	4 Pr. Cat 6	0.240	56 84	10 16	37 56	27 40	8 13	10 15	51 77	7 10	21 32
	25 Pr.	0.410	19 29	3 5	12 19	9 13	3 4	3 5	17 26	2 3	7 11
Coax	RG58/U	0.193	87 131	16 25	58 87	41 62	13 20	15 23	80 120	10 16	33 50
	RG59/U or RG62/U	0.242	55 83	10 15	37 55	26 39	8 13	10 15	51 76	6 10	21 31
	RG6/U	0.270	44 67	8 12	29 44	21 32	6 10	8 12	41 61	5 8	17 25
Fiber Optic FA Jacket OFNP	2 Strand	0.175	106 159	20 30	70 106	50 76	16 24	19 28	97 146	13 19	40 61
	4 Strand	0.185	95 142	18 27	63 95	45 68	14 22	17 25	87 131	11 17	36 54
	6 Strand	0.210	73 110	14 21	49 73	35 53	11 17	13 19	67 101	9 13	28 42
Fiber Optic 62.5/125/900 PVC Jacket OFNR	2 Strand	0.175	106 159	20 30	70 106	50 76	16 24	19 28	97 146	13 19	40 61
	4 Strand	0.185	95 142	18 27	63 95	45 68	14 22	17 25	87 131	11 17	36 54
	6 Strand	0.210	73 110	14 21	49 73	35 53	11 17	13 19	67 101	9 13	28 42
	8 Strand	0.230	61 92	11 17	41 61	29 44	9 14	11 16	56 84	7 11	23 35
	10 Strand	0.250	52 78	9 14	34 52	24 37	8 12	9 14	47 71	6 9	19 29
Electrical Wire	14 AWG THHN	0.105	30	21	-	-	17	-	27	14	-
	12 AWG THHN	0.122	25	15	-	-	12	-	22	11	-
	10 AWG THHN	0.153	19	9	-	-	8	-	17	8	-

Formula used to calculate communications wire fill capacity - Numbers of wires = duct / {1/4 x 3.14 x (wire o.d.)<sup>2</sup>} x 0.4 or 0.6. Per ANSI/TIA/EIA-569-A-:

SPEC = 40% fill which is recommended for planning perimeter pathways

MAX (for data) = 60% fill which is allowed to accommodate unplanned additions after initial installation

MAX (for power) = Maximum number determined by UL temperature testing

Detailed information on all HellermannTyton raceway products, including drawings, specifications, installation instructions and an interactive bill of materials can be found on: [www.myhtnetwork.com](http://www.myhtnetwork.com)

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