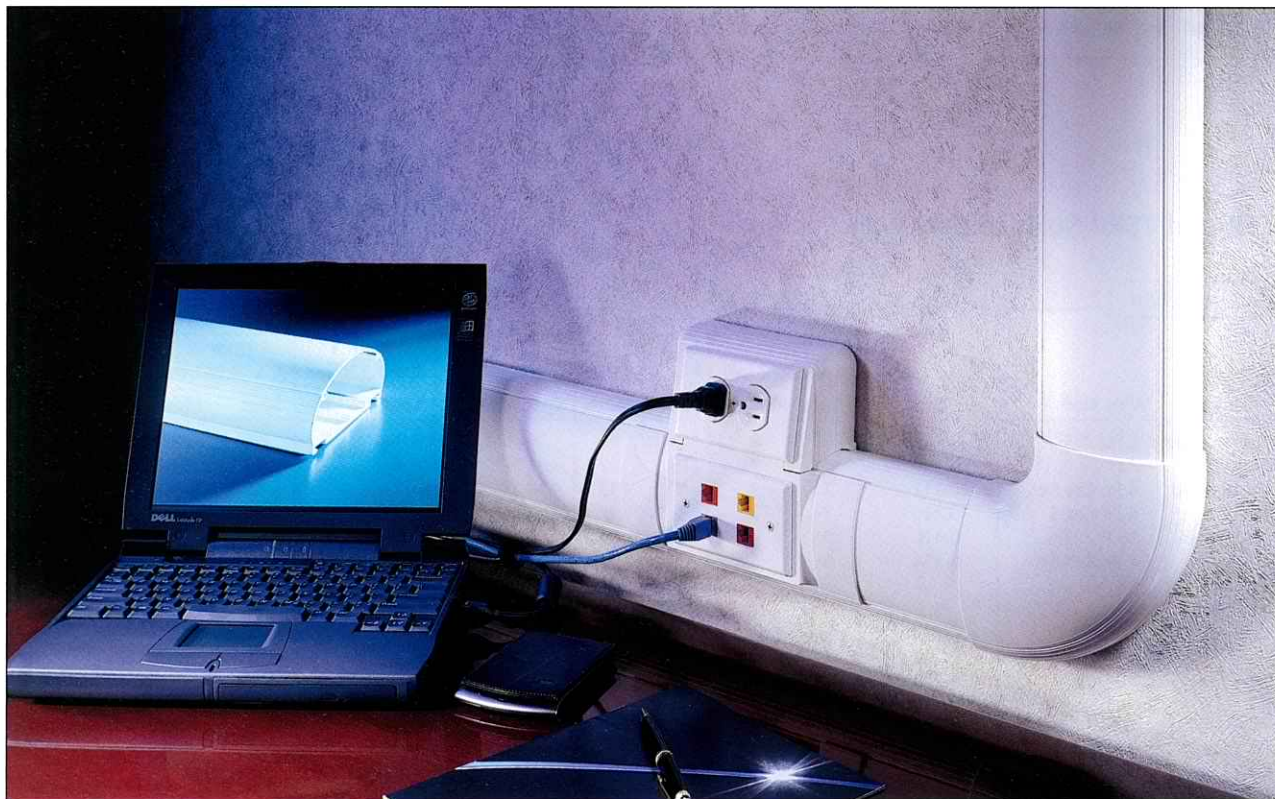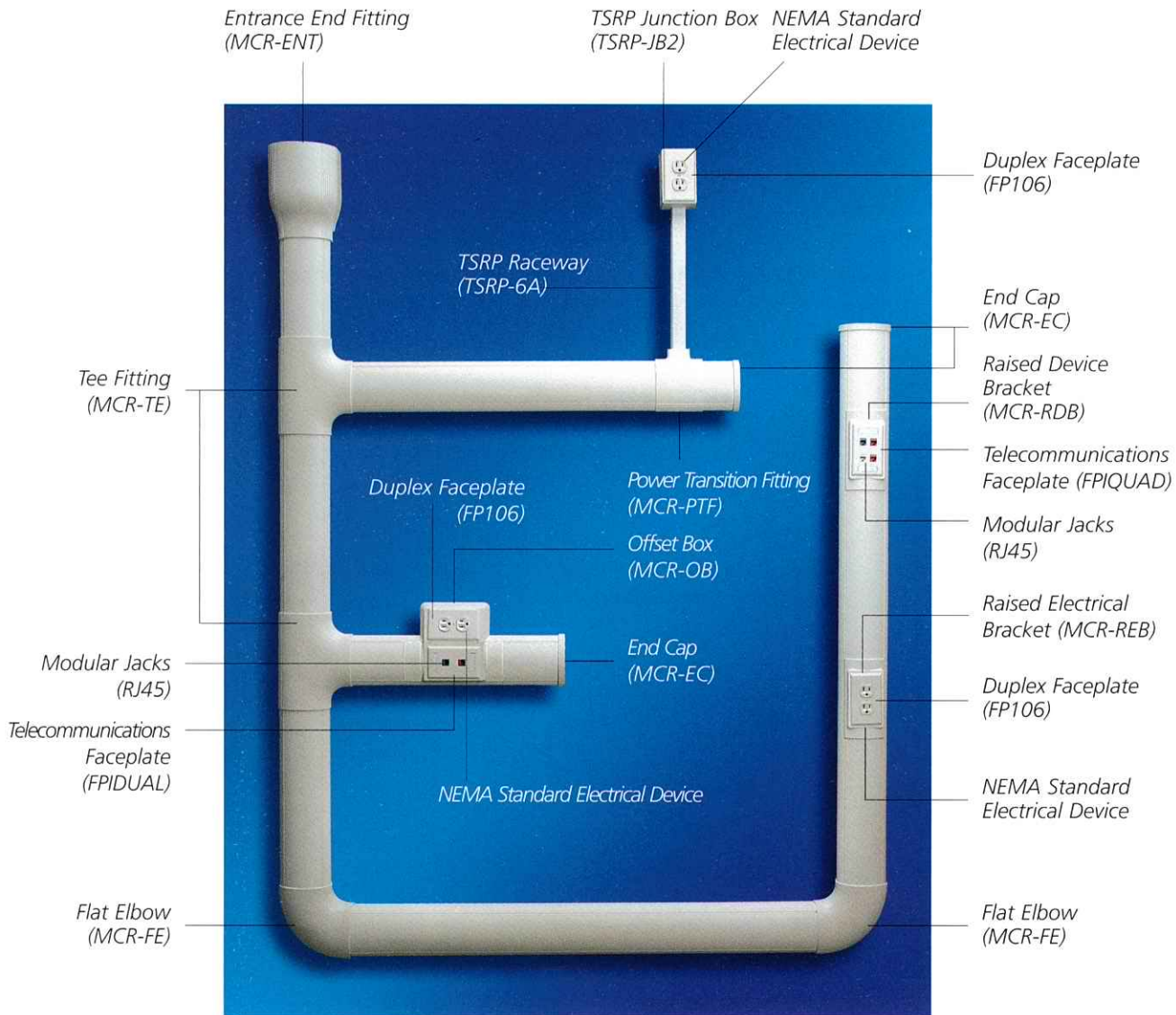## INFOSTREAM® Multi-Channel Raceway

HellermannTyton's InfoStream is a revolutionary design for a non-metallic raceway system. The elliptical shape is aesthetically pleasing 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 installations quicker and easier. The raceway and fittings are manufactured from a UL 94V-0 rated material.

- All fittings have been designed to maintain the required 1" minimum bend radius per ANSI/TIA-568-C and 569-A standards
- U.L. Listed to 600 Volts – Meets UL5A and CSA 22.2 No. 62-93 standards
- Patented hinged cover speeds installation time by allowing 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 2-7"
- Mates directly with HellermannTyton's TSR and TSRP - single channel raceway system
- 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
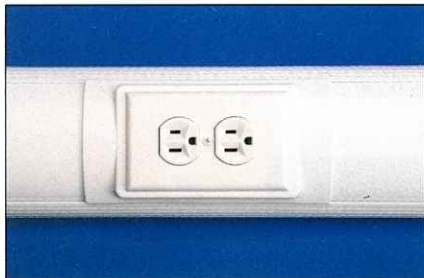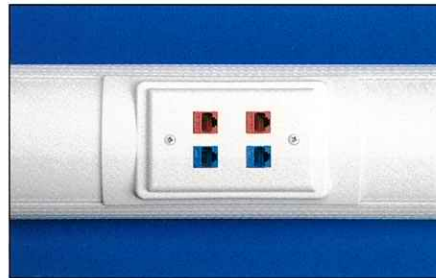
INFOSTREAM®
Multi-Channel Raceway Diagram

Entrance End Fitting
(MCR-ENT)

TSRP Junction Box
(TSRP-JB2)

NEMA Standard
Electrical Device

Duplex Faceplate
(FP106)

TSRP Raceway
(TSRP-6A)

End Cap
(MCR-EC)

Tee Fitting
(MCR-TE)

Raised Device
Bracket
(MCR-RDB)

Duplex Faceplate
(FP106)

Power Transition Fitting
(MCR-PTF)

Telecommunications
Faceplate (FPIQUAD)

Offset Box
(MCR-OB)

Modular Jacks
(RJ45)

Raised Electrical
Bracket (MCR-REB)

Modular Jacks
(RJ45)

End Cap
(MCR-EC)

Duplex Faceplate
(FP106)

Telecommunications
Faceplate
(FPIDUAL)

NEMA Standard Electrical Device

NEMA Standard
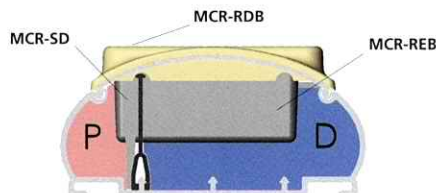Electrical Device

Flat Elbow
(MCR-FE)

Flat Elbow
(MCR-FE)

INFOSTREAM®
Multi-Channel Raceway

Power and Data Only

Power Only Configuration

Components: Raised Electrical Device Bracket (MCR-REB)
Area: 2.50 sq. in.

Data Only Configuration

Components: Raised Communications Device Bracket (MCR-RDB)
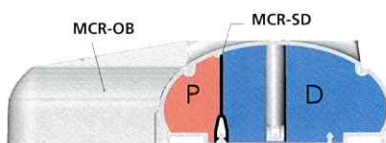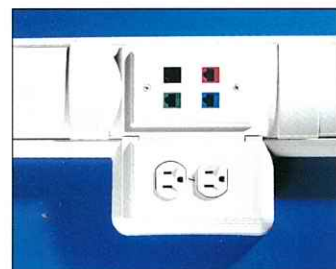Area: 3.08 sq. in.

Power and Data Inline

**High Data Capacity Option
With Side Divider**

MCR-SD   MCR-RDB   MCR-REB

P   D

High Capacity / Side Divider Configuration

Components:
• Raceway Side Divider (MCR-SD)
• Raised Device Bracket (MCR-RDB)
• Raised Electrical Bracket (MCR-REB)

Data Area: 2.45 sq. in.
Power Area: 0.80 sq. in.

Offset Box with Data

MCR-OB   MCR-SD

P   D
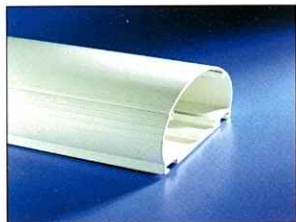
Offset Box with Data Configuration

Components:
• Offset Box (MCR-OB)
• Raceway Side Divider (MCR-SD)

Data Area: 4.26 sq. in.
Power Area: 1.22 sq. in.

InfoStream® Multi-Channel Raceway

Unique, streamlined design enhances the aesthetics of any installation.

Hinged cover speeds installation.

4,450

6.4 in sq

2.05

Multi-Channel Raceway Base

Base is supplied with pre-punched mounting slots every 8". Raceway base also includes adhesive double-sided tape for aid in mounting. Raceway must still be properly fastened to the wall per included instructions.

Product Selection

Article No.	Part No.	Type	Description	Color	Length	Carton Qty.
250-00006	MCRFW-BS8	MCR-BS8	Raceway Base with Side Divider	Office White	8 ft.	48 ft.
250-00035	MCRI-BS8	MCR-BS8	Raceway Base with Side Divider	Ivory	8 ft.	48 ft.
250-00005	MCRFW-BS10	MCR-BS10	Raceway Base with Side Divider	Office White	10 ft.	60 ft.
250-00034	MCRI-BS10	MCR-BS10	Raceway Base with Side Divider	Ivory	10 ft.	60 ft.

Use **Part No.** for ordering and **Type** for specification purposes.

Multi-Channel Raceway Cover

Product Selection

Article No.	Part No.	Type	Description	Color	Length	Carton Qty.
250-00009	MCRFW-C8	MCR-C8	Raceway Cover	Office White	8 ft.	48 ft.
250-00037	MCRI-C8	MCR-C8	Raceway Cover	Ivory	8 ft.	48 ft.
250-00007	MCRFW-C10	MCR-C10	Raceway Cover	Office White	10 ft.	60 ft.
250-00036	MCRI-C10	MCR-C10	Raceway Cover	Ivory	10 ft.	60 ft.

Use **Part No.** for ordering and **Type** for specification purposes.

Multi-Channel Raceway Divider

Snaps onto either side of raceway base rails for proper power and data separation per UL/CSA. Contact HellermannTyton for information on center divider.

Product Selection

Article No.	Part No.	Type	Description	Color	Length	Carton Qty.
250-00056	MCRW-SD8	MCR-SD8	Raceway Side Divider	White	8 ft.	96 ft.
250-00055	MCRW-SD10	MCR-SD10	Raceway Side Divider	White	10 ft.	120 ft.

Use **Part No.** for ordering and **Type** for specification purposes.

InfoStream® Multi-Channel Raceway

Flat Elbow

Joins raceway at 90 degree flat angle.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00019	**MCRFW-FE**	MCR-FE	Flat Elbow	Office White	1
250-00046	**MCRI-FE**	MCR-FE	Flat Elbow	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

External Elbow

Joins raceway at 90 degree outside corner.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00016	**MCRFW-EE**	MCR-EE	External Elbow	Office White	1
250-00044	**MCRI-EE**	MCR-EE	External Elbow	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

Internal Elbow

Joins raceway at 90 degree inside corner.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00020	**MCRFW-IE**	MCR-IE	Internal Elbow	Office White	1
250-00047	**MCRI-IE**	MCR-IE	Internal Elbow	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

InfoStream® Multi-Channel Raceway

End Cap

Completes raceway or provides transition for 1/2", 3/4" and 1" conduit.

Product Selection					
Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00014	MCRFW-EC	MCR-EC	End Cap	Office White	1
250-00042	MCRI-EC	MCR-EC	End Cap	Ivory	1

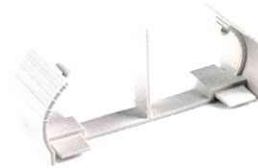Use **Part No.** for ordering and **Type** for specification purposes.

Base Splice

Joins two sections of raceway base.

Product Selection					
Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00004	MCRFW-BS	MCR-BS	Base Splice	Office White	10
250-00033	MCRI-BS	MCR-BS	Base Splice	Ivory	10

Use **Part No.** for ordering and **Type** for specification purposes.

Cover Splice

Joins two sections of raceway cover.

Product Selection					
Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00013	MCRFW-CS	MCR-CS	Cover Splice	Office White	10
250-00041	MCRI-CS	MCR-CS	Cover Splice	Ivory	10

Use **Part No.** for ordering and **Type** for specification purposes.

Power Transition Fitting

Knockouts are provided for TSRP1, TSRP2, and TSRP3 surface raceway.

Product Selection					
Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00024	MCRFW-PTF	MCR-PTF	Power Transition Fitting	Office White	1
250-00050	MCRI-PTF	MCR-PTF	Power Transition Fitting	Ivory	1

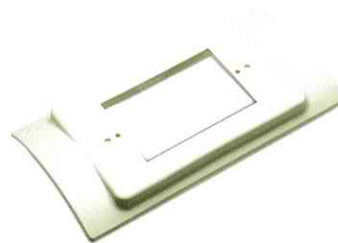Use **Part No.** for ordering and **Type** for specification purposes.

InfoStream® Multi-Channel Raceway

Raised Device Bracket

Used to mount NEMA standard single gang device and faceplate. Raised bracket allows for additional wire fill space and additional device clearance. Use with side divider for 2-channel applications.
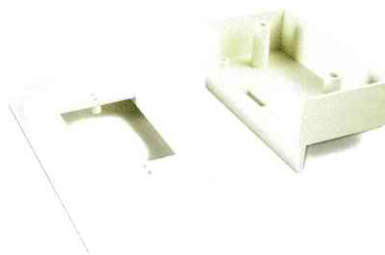
Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00025	**MCRFW-RDB**	MCR-RDB	Raised Device Bracket	Office White	10
250-00051	**MCRI-RDB**	MCR-RDB	Raised Device Bracket	Ivory	10

Use **Part No.** for ordering and **Type** for specification purposes.

Raised Electrical Box

Used to mount NEMA standard single gang device and faceplate. Raised electrical box allows for additional low-voltage wire fill space. Use with side divider for 2-channel applications.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00026	**MCRFW-REB**	MCR-REB	Raised Electrical Bracket	Office White	5
250-00052	**MCRI-REB**	MCR-REB	Raised Electrical Bracket	Ivory	5

Use **Part No.** for ordering and **Type** for specification purposes.

Offset Box

Option for communications devices in raceway and electrical outlets on side.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00021	**MCRFW-OB**	MCR-OB	Offset Box	Office White	1
250-00048	**MCRI-OB**	MCR-OB	Offset Box	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

InfoStream® Multi-Channel Raceway

Entrance End Fitting

For use as a ceiling drop, conduit transition from end or base of raceway, or low voltage entrance from end or base of raceway. Includes dual 0.75", 1", 1.25", 1.75", 2", and 2.5" knockouts.
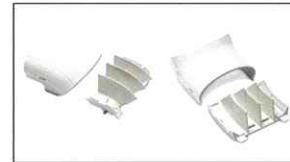
Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00017	**MCRFW-ENT**	MCR-ENT	Entrance End Fitting	Office White	1
250-00045	**MCRI-ENT**	MCR-ENT	Entrance End Fitting	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

Offset Elbow

For small wall offsets between 2"- 7". Used in conjunction with a piece of raceway.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00022	**MCRFW-OE**	MCR-OE	Offset Elbow	Office White	1
250-00049	**MCRI-OE**	MCR-OE	Offset Elbow	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

Offset Bridge

For bridging over conduit already installed on wall. Must be used with MCRFW-OE corner pieces.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00188	**MCRFW-OEB**	MCR-OEB	Offset Bridge	Office White	1

Use **Part No.** for ordering and **Type** for specification purposes.

InfoStream® Multi-Channel Raceway

Tee Fitting

Joins three sections of raceway and includes divider.

Product Selection

Article No.	Part No.	Type	Description	Color	Pkg. Qty.
250-00027	**MCRFW-TE**	MCR-TE	Tee Fitting	Office White	1
250-00053	**MCRI-TE**	MCR-TE	Tee Fitting	Ivory	1

Use **Part No.** for ordering and **Type** for specification purposes.

Tee Fitting Divider - Left Side

Divides power and communications cables on the opposite side.

Product Selection

Article No.	Part No.	Type	Description	Pkg. Qty.
250-00001	**MCR-LTD**	MCR-LTD	Tee Fitting Divider - Left Side	1

Use **Part No.** for ordering and **Type** for specification purposes.
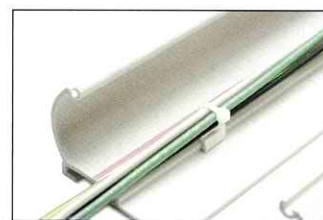
Tie Mount and Wire Retainer

Tie mount keeps wire and cable bundled. Accepts standard HellermannTyton cable ties T18-T50. Wire retainer keeps wire and cable in place. Recommend placement every 18" to 24".

Product Selection

Article No.	Part No.	Type	Description	Pkg. Qty.
250-00029	**MCRG-TM**	MCR-TM	Tie Mount	100
250-00030	**MCRG-WR**	MCR-WR	Wire Retainer	10

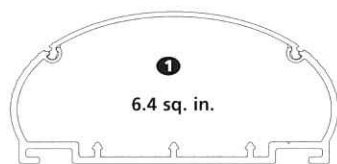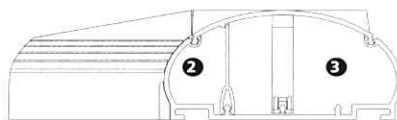Use **Part No.** for ordering and **Type** for specification purposes.
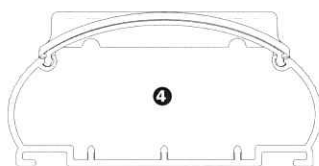
Tie Mount

Wire Retainer

InfoStream® Multi-Channel Raceway
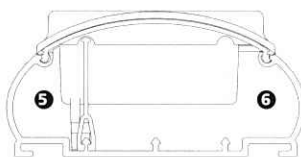
6.4 sq. in.

Base and Cover with No Devices

Offset Box with Data (OB)

Data Only using Raised Bracket (RDB)

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

Wire Fill Chart

LOW VOLTAGE	Raceway Area of Raceway		Channel 1 6.40in²		Channel 2 1.220in²		Channel 3 4.260in²		Channel 4 5.880in²		Channel 5 0.800in²		Channel 6 2.450in²	
Wire Type	Wire Size	OD of Wire	Spec	Max	Spec	Max	Spec	Max	Spec	Max	Spec	Max	Spec	Max
Twisted Pair	2 Pr.	0.140	166	249	31	47	110	166	152	229	20	31	63	95
24 AWG	3 Pr.	0.150	144	217	27	41	96	144	133	199	18	27	55	83
Unshielded	4 Pr. Cat 5e	0.217	69	103	13	19	46	69	63	95	8	12	26	39
	4 Pr. Cat 6	0.240	56	84	10	16	37	56	51	77	7	10	21	32
	4 Pr. Cat 6A	0.354	26	39	4	7	17	25	23	35	3	4	9	14
	25 Pr.	0.410	19	29	3	5	12	19	17	26	2	3	7	11
Coax	RG58/U	0.193	87	131	16	25	58	87	80	120	10	16	33	50
	RG59/U or RG62/U	0.242	55	83	10	15	37	55	51	76	6	10	21	31
	RG6/U	0.270	44	67	8	12	29	44	41	61	5	8	17	25
Fiber Optic	2 Strand	0.175	106	159	20	30	70	106	97	146	13	19	40	61
FA Jacket	4 Strand	0.185	95	142	18	27	63	95	87	131	11	17	36	54
OFNP	6 Strand	0.210	73	110	14	21	49	73	67	101	9	13	28	42
Fiber Optic	2 Strand	0.175	106	159	20	30	70	106	97	146	13	19	40	61
62.5/125/900	4 Strand	0.185	95	142	18	27	63	95	87	131	11	17	36	54
PVC Jacket	6 Strand	0.210	73	110	14	21	49	73	67	101	9	13	28	42
OFNR	8 Strand	0.230	61	92	11	17	41	61	56	84	7	11	23	35
	10 Strand	0.250	52	78	9	14	34	52	47	71	6	9	19	29
Electrical Wire	14 AWG THHN	0.105		30		21		-		27		14		-
	12 AWG THHN	0.122		25		15		-		22		11		-
	10 AWG THHN	0.153		19		9		-		17		8		-

Formula used to calculate communications wire fill capacity - Numbers of wires = duct / {1/4 x 3.14 x (wire o.d.)²} 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
Note: It is recommended to place electrical cables loosely in raceway.