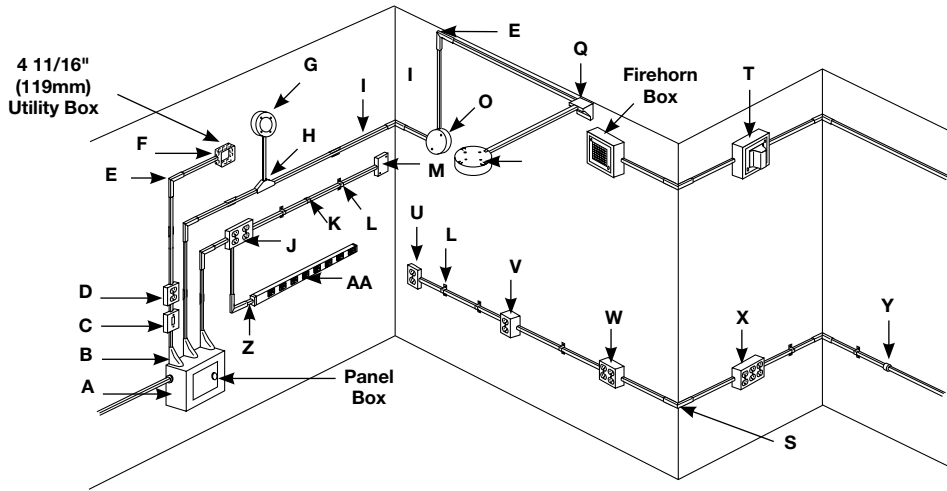


500 & 700 Series System Product Applications



- | | | |
|---------------------------------------|----------------------------------|--|
| A — 5781A 3/4" (19.1mm) Box Connector | J — 5747-2 Shallow Device Box | S — V718 External Elbow |
| B — V5786 Adjustable Offset Connector | K — V706 Cover Clip | T — R5753 Extra Deep Alarm Device Box |
| C — V57240 Single Pole Switch and Box | L — V704 Mounting Strap | U — V5747S Shallow Device Box |
| D — V57243G Duplex Receptacle and Box | M — V57242 Utility Box | V — V5744 Extra Deep Device Box |
| E — V711 Flat Elbow | N — V717 Internal Elbow | W — V5748-2 Device Box |
| F — V5785 Combination Connector | O — V5734A Utility Box | X — V5748-3 Device Box |
| G — V5738 Fixture Box Solid Base | P — V5739 Fixture Box Solid Base | Y — 5782 1/2" (12.7mm) Conduit Connector |
| H — V5715 Tee Fitting | Q — V5719 Corner Box | Z — V2089E Reducing Fitting |
| I — V5703 Supporting Clip | R — R5752 Alarm Device Box | AA — Plugmold Multioutlet System |

V500 & V700 Series Wire Fill Capacity Charts

V500/V700 Series Raceway Wire Fill Capacities for Power

WIRE SIZE THHN/THWN	O.D.		NUMBER OF CONDUCTORS 40% FILL	
	inches	(mm)	V500 SERIES	V700 SERIES
14 AWG	0.111	(2.8)	7	10
12 AWG	0.130	(3.3)	5	7
10 AWG	0.164	(4.2)	3	4

V500/V700 Series Raceway Wire Fill Capacities for Communications

	CABLE/WIRE SIZE	O.D.		V500 SERIES		V700 SERIES	
		inches	(mm)	20% FILL*	40% FILL**	20% FILL*	40% FILL**
UNSHIELDED TWISTED PAIR	4-pair, 24 AWG, Cat 3	0.190	(4.8)	1	2	1	3
	4-pair, 24 AWG, Cat 5e	0.210	(5.3)	1	2	1	3
	4-pair, 24 AWG, Cat 6	0.250	(6.3)	0	1	1	2
TELEPHONE	2-pair, 24 AWG	0.140	(3.6)	2	4	3	6
	3-pair, 24 AWG	0.150	(3.8)	2	4	2	5
	4-pair, 24 AWG	0.190	(4.8)	1	2	1	3
	25-pair, 24 AWG	0.410	(10.4)	0	0	0	0
COAXIAL	RG58/U	0.195	(5.0)	1	2	1	3
	RG59/U	0.242	(6.1)	0	1	1	2
	RG62/U	0.242	(6.1)	0	1	1	2
	RG6/U	0.270	(6.9)	0	1	0	1
TWINAXIAL	100 Ohm	0.330	(8.4)	0	0	0	1
SHIELDED TWISTED PAIR	TYPE 1	0.390	(9.9)	0	0	0	0
	TYPE 2	0.465	(11.8)	0	0	0	0
	TYPE 3	0.245	(6.2)	0	1	0	1
FIBER	Mini ZipCord	0.079 x 0.157	(2 x 4)	3	6	4	8
	ZipCord	0.118 x 0.236	(3 x 6)	1	2	1	3
	Round 4 Strand Fiber	0.187	(4.8)	1	2	1	3
	Round 6 Strand Fiber	0.256	(6.5)	0	1	1	2

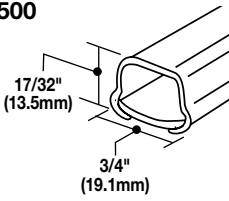
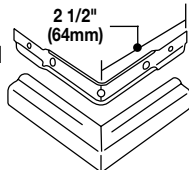
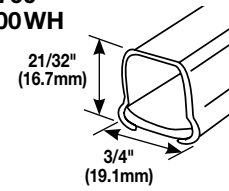

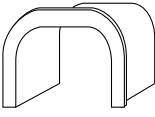
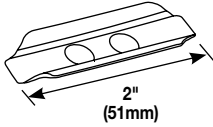
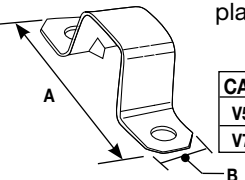
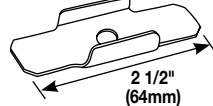
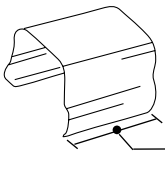
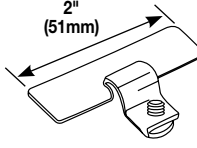
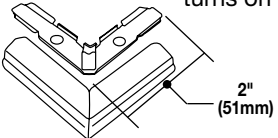
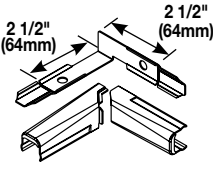
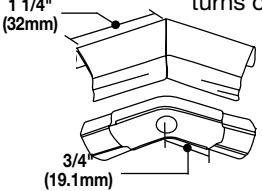
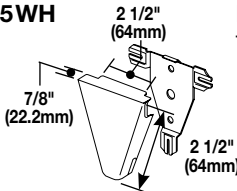
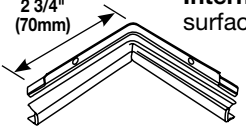
* 20% cable fill is calculated to approximate reduction in cable capacity due to connectors mounted within raceway and fittings that may restrict cross sectional area.

** 40% cable fill is the maximum designed cable fill based on a proposed revision to TIA/EIA 569-A.



Download this product's PEP ecosport[®] environmental product declaration at www.legrand.us/resources-and-downloads. This declaration conforms with ISO 14025 and 14040 and is in alignment with EN 15804.

500 & 700 Series Raceway & Fittings Ordering Information

Catalog No./Item	Description/Specifications	Catalog No./Item	Description/Specifications										
V500 	Raceway – .040" (1.0mm) steel. Comes in 10 ft. (3.05mm) lengths, one 5701 Coupling furnished with each length. Five ft. (1.525m) lengths available, order V500-5.	V518 V718 718WH 	External Elbow – For outside surfaces at right angles.										
V700 700WH 	Raceway – .040" (1.0mm) steel. Comes in 10 ft. (3.05mm) lengths, one 5701 Coupling furnished with each length. Five ft. (1.525m) lengths available, order V700-5.	V5700F 	Flexible Section – For getting around difficult angles. End fittings and bulk conduit lengths available. Maximum painted length 3' (915mm) longer lengths furnished unpainted, consult factory for availability.										
502 702 	Bushing – Protects wires from abrasion. Bushing slips into open end of raceway where it enters a fitting.	5701 	Coupling – For joining and supporting lengths of V500 or 700 Series raceway. One coupling supplied with each length.										
V504 V704 704WH 	Mounting Strap (1- or 2-Hole) – Convert to one-hole by breaking off at score. Lanced tab holds strap in place while fastening to surface.	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>CAT. #</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>V504</td> <td>1 7/8" (47mm)</td> <td>1/2" (12.7mm)</td> </tr> <tr> <td>V704</td> <td>1 7/8" (47mm)</td> <td>5/8" (15.4mm)</td> </tr> </tbody> </table>	CAT. #	A	B	V504	1 7/8" (47mm)	1/2" (12.7mm)	V704	1 7/8" (47mm)	5/8" (15.4mm)	5703 	Supporting Clip – For supporting lengths of V500 or 700 Series raceway at any point desired.
CAT. #	A	B											
V504	1 7/8" (47mm)	1/2" (12.7mm)											
V704	1 7/8" (47mm)	5/8" (15.4mm)											
V506 V706 706WH 	Connection Cover – To cover openings where lengths of V500 or 700 Series, not squarely cut, come together.	5709 	Ground Clamp – Provides additional grounding or to ground remotely located devices. Attach ground wire to screw as required by NEC. Insert into V500 or 700 Series raceway before installing.										
V511 V711 711WH 	90° Flat Elbow – For right angle turns on same surface.	V5711LHA V5711RHA 5711LHAWH 5711RHAWH 	Internal Twisted Elbows – For 90° twist with 90° turn including a flat run on sidewall to a flat run on ceiling or on door edge or window trim. Break out crescent twistout in cover to use with 700 Series.										
V512 V712 	45° Flat Elbow – For diagonal 45° turns on same surface.	V5715 5715WH 	Tee – For branches at right angles. Break out crescent twistout in cover to use with V700.										
V517 V717 717WH 	Internal Elbow – For inside surfaces at right angles.												

NOTE: Use #6 flat head screws with all fittings requiring screws except V504/V704, and V57200 Series; with V504/V704 use #8 pan head screws; with V57200 Series use #8 flat head screws.