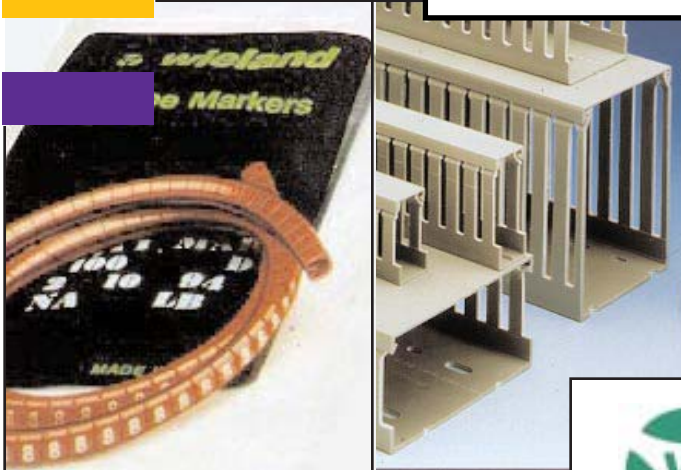




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Wire Management Systems



created 12/05

Wire Management

Electro-Ducty Wiring Duct

Design features for speed, easy installation and assembly.

Mounting slots

Standard at no extra charge on all sizes of duct. Two sizes of oblong mounting holes alternating on their own 2 inch centers. All 1 and 2 inch width duct have one row of slots along its center line. The 3 and 4 inch width duct have two rows of slots.

Snap-Off Sidewall Fingers

Permits enlarging slot for lead-offs of any size wire and/or wire bundle; forms clean duct joints. Are pre-scored for smooth snap-off surfaces. **REQUIRES NO TOOLS OR ANY CUTTING.**



Type BA6

Description: Specially compounded high impact, rigid vinyl - won't peel, chip or crack; resists oils, grease, salt solutions, most mildly concentrated acids, fungus; non-flammable, warp-proof, non-brittle; high dielectric and will withstand temperatures to 150°C.

Easily cut to length - requires only a fine-tooth hand or power cutting tool for butt or mitted joints.

Packaging: Standard length (6'6") 2 meter. Sold as unit; Catalog number includes channel and cover.

Mechanical Properties

Tensile strength: 4400 lbs/sq. in.
Impact Resistance: 1.86 ft. lbs./sq. in.
Coefficient of Thermal Expansion: $2.5 \times 10^{-5} \text{ m/m}^\circ\text{F}$.
Electrical Properties
Dielectric Strength: 875 volts/mil
Surface Resistivity: 10^{11} ohm
Volume Resistivity: 10^{17} ohm cm .
Relative Dielectric Constant: 3

Thermal Properties

Flammability: Self extinguishing UL94V-0
Maintains dimensional stability under heat: $\approx 65^\circ\text{C}$ i.e. $\approx 150^\circ\text{F}$ as per DIN standard #53458.

Duct Capacity Guide

Maximum recommended number of wires used in various sizes of duct - based on 50% fill capacity and derived from the following formula:

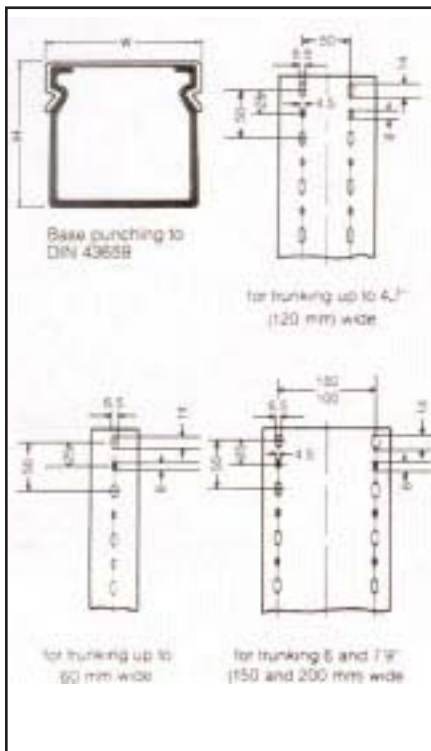
$$\text{Number of wires} = \frac{\text{Duct W x H}}{2 \times (\text{wire O.D.})^2}$$

This chart is a guide in selecting proper size duct. The amount may vary according to wire installation methods.

Colors:

Available in Gray or White.
For Gray - add suffix "G";
For White - add suffix "PW" to catalog number. (i.e. BA615015-PW)

Sizes, Dimensions, Ordering Data (Catalog Number includes cover):



Catalog Number	Dimensions (W x H)		Max. No. of 18 AWG at	Capacity (mm ²)	Std. Pkg.
	mm	Nominal Inches			
BA6 15015-(G or PW)	19 x 18	0.75 x 0.75	25	272	210
BA6 30015-(G or PW)	18 x 32	0.75 x 1.25	42	460	262
BA6 40015-(G or PW)	19 x 44	0.75 x 1.75	62	668	177
BA6 60015-(G or PW)	19 x 63	0.75 x 2.50	87	958	177
BA6 20025-(G or PW)	31 x 63	1.25 x 1.00	52	570	262
BA6 30025-(G or PW)	30 x 33	1.25 x 1.25	72	792	164
BA6 40025-(G or PW)	30 x 44	1.25 x 1.75	95	1056	157
BA6 60025-(G or PW)	30 x 65	1.25 x 2.50	140	1560	197
BA6 80025-(G or PW)	31 x 85	1.25 x 3.25	199	2108	66
BA6 40040-(G or PW)	45 x 44	1.75 x 1.75	143	1584	164
BA6 30040-(G or PW)	46 x 34	1.75 x 1.25	112	1250	157
BA6 60040-(G or PW)	46 x 65	1.75 x 2.50	215	2392	131
BA6 80040-(G or PW)	47 x 85	1.75 x 3.25	287	3196	66
BA6 40060-(G or PW)	67 x 45	2.50 x 1.75	217	2412	131
BA6 60060-(G or PW)	66 x 65	2.50 x 2.50	313	3432	78
BA6 80060-(G or PW)	67 x 85	2.50 x 3.25	410	4566	66
BA6 40080-(G or PW)	86 x 45	3.50 x 1.75	278	3096	98
BA6 60080-(G or PW)	86 x 65	3.50 x 2.50	408	4472	65
BA6 80080-(G or PW)	87 x 85	3.50 x 3.25	531	5916	52
BA6 60100-(G or PW)	107 x 65	4.25 x 2.50	524	5564	52
BA6 80100-(G or PW)	107 x 85	4.25 x 3.25	709	7900	39
BA6 40120-(G or PW)	126 x 45	5.00 x 1.75	446	4536	65
BA6 60120-(G or PW)	126 x 65	5.00 x 2.50	593	6552	39
BA6 80120-(G or PW)	127 x 45	5.00 x 3.25	776	8636	52
BA6 60150-(G or PW)	156 x 65	6.00 x 2.50	740	8112	52
BA6 60200-(G or PW)	206 x 65	8.00 x 2.50	977	10712	39

Meets JIC Requirements. U.S. Patent No. 908.985 Approved by CSA.

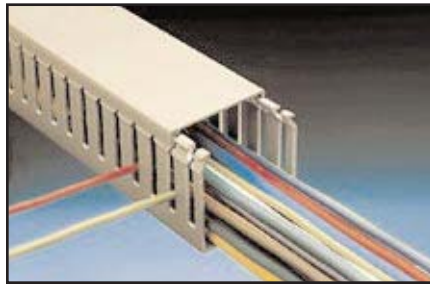
Wire Management

Type DNG

Description: Similar to BA6 but fingers are formed with wire-retaining slots.

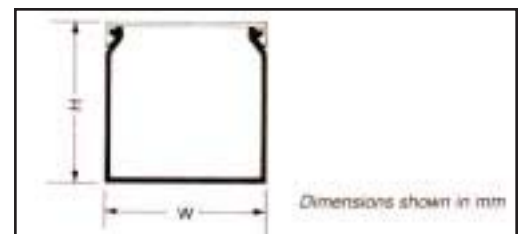
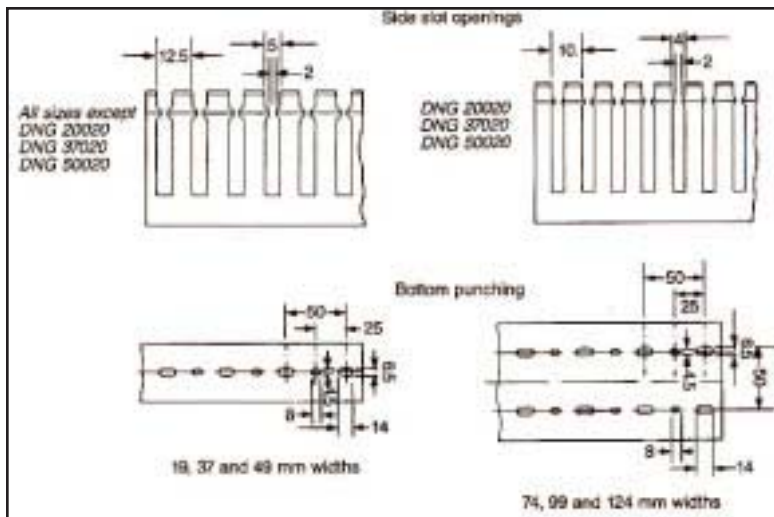
Specifications: See previous page for information.

Sidewalls are prescored to permit enlarging slot for load-offs without the need for tools or cutting.



Catalog Number	Dimensions (W x H) Nominal Inches	Max. No. of 18 AWG at 50% Area Fill	Std. Pkg. Ft.
DNG 20020-(G or PW)	0.75 x 0.75	23	210
DNG 37020-(G or PW)	0.75 x 1.50	43	105
DNG 50020-(G or PW)	0.75 x 2.00	59	65
DNG 25025-(G or PW)	1.00 x 1.00	36	157
DNG 50025-(G or PW)	1.00 x 2.00	72	59
DNG 75025-(G or PW)	1.00 x 2.75	110	104
DNG 25037-(G or PW)	1.50 x 1.00	56	157
DNG 37037-(G or PW)	1.50 x 1.50	84	131
DNG 50037-(G or PW)	1.50 x 2.00	114	157
DNG 75037-(G or PW)	1.50 x 2.75	170	66
DNG 50050-(G or PW)	2.00 x 2.00	151	157
DNG 75050-(G or PW)	2.00 x 2.75	225	79
DNG100050-(G or PW)	2.00 x 3.75	302	74
DNG 50075-(G or PW)	3.00 x 2.00	228	65
DNG 75075-(G or PW)	3.00 x 2.75	340	52
DNG100075-(G or PW)	3.00 x 3.75	456	52
DNG 50100-(G or PW)	4.00 x 2.00	305	79
DNG 75100-(G or PW)	4.00 x 2.75	454	52
DNG100100-(G or PW)	4.00 x 3.75	610	39
DNG50125-(G or PW)	4.90 x 2.00	382	52
DNG 75125-(G or PW)	4.90 x 2.75	569	39

(Catalog Number includes cover)



Type HNG - Noryl (Chlorine Free)

Description: For high temperature applications and where a chlorine-free environment is desired. Includes prescored snap-off fingers; snap-on/off cover design; and integral slotted mounting holes. Dimensions identical to DNG duct sizes shown above.

Color: Light Gray

Packaging: Standard length (6'6") 2 meter. Sold complete with covers.

Mechanical Properties

Tensile strength: 9600 psi (675) kg/cm²

Impact resistance: 6.98 ft lbs/sq in.

(<15 cm kg/cm²)

Coefficient of thermal expansion:

59 x 10⁶ per °C.

Electrical Properties

Dielectric strength: 500 volts/mil.

Thermal Properties

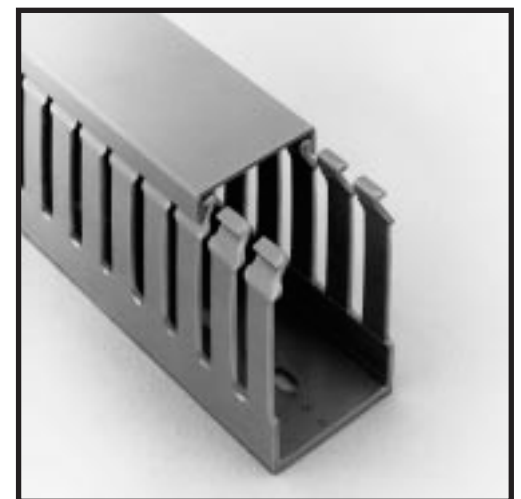
Flammability: UL94 V-1

Temperature range: -40°C to 125°C

Material: Noryl (modified Polyphenyl Oxide).

Catalog Number	Dimensions (W x H) Nominal Inches
HNG 37037	1.50 x 1.50
HNG 50037	1.50 x 2.00
HNG 50050	2.00 x 2.00
HNG 75050	2.00 x 2.75
HNG 50075	3.00 x 2.00
HNG 75075	3.00 x 2.75
HNG 50100	4.00 x 2.00
HNG 75100	4.00 x 2.75
HNG 75125	5.00 x 2.75

(Catalog Number includes cover)



Wire Management

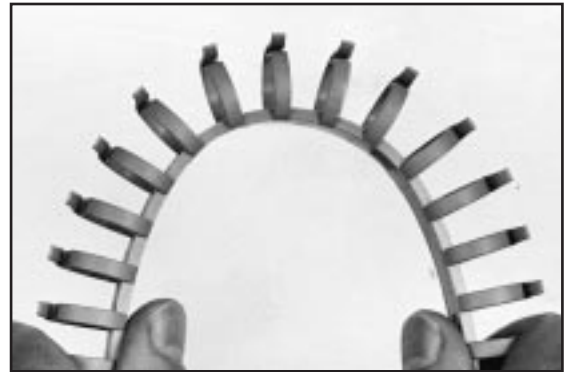
VK-Flex Molded Nylon Wiring Duct (Halogen Free)

Description: A flexible wiring duct that is especially suitable for switchgear, control panels, distribution equipment, cubicles and other areas where flexibility of design and installation are required.

The one-piece design with its overlapping fingers, eliminates the separate cover used with conventional duct, makes rewiring easy and lends itself to a more efficient use of space. Open slots allow for lead-offs and because the duct is molded, there are no sharp edges.

Each strip is fully interlocking for continuous end-to-end attachment. Molded with slotted mounting holes, VK-FLEX is also available with a permanent, self-adhesive backing - eliminating the need for other types of fasteners.

The open design of VK-FLEX, allowing for air circulation along with a temperature operating range of -40°C to 100°C (-40°F to 212°F), makes it especially suitable for enclosed areas where heat build-up may be a problem.

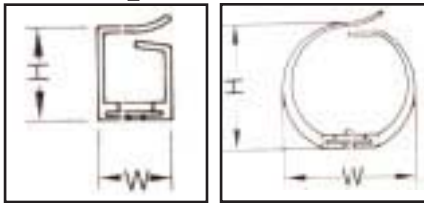


Specifications

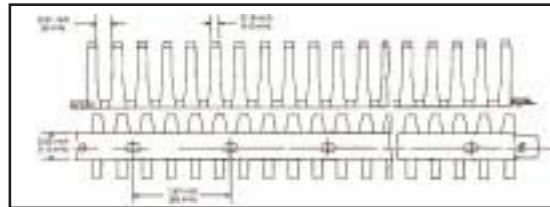
Material: Polyamide UL94V-O

Color: Standard color is Gray

w q



Mounting Slots Catalog Number	Permanent Self-Adhesive Strip Catalog Number	Dimensions						Wire Capacity			Std. Pkg. lengths
		(inches)			(mm)			#18	#16	#14	
		W	H	L	W	H	L				
VK-10 M5690	VK-10 L2212	0.43	0.59	9.84	11	15	250	10	8	5	40
VK-20 M5691	VK-20 L2222	0.90	0.83	19.68	23	21	500	20	18	13	40
VK-30 M5692	VK-30 L2232	1.30	1.22	19.68	33	31	500	57	46	30	40
VK-40 M5693	VK-40 L2242	1.69	1.77	19.68	43	45	500	101	81	53	40



Wire Management

LFR Trunking (available in Canada only)

Description: The LFR trunking is flat duct made of a strong but flexible material. The LFR trunking is delivered rolled flat in a cardboard box. When stored, the product takes up little space so it is ideal for those unplanned installations. The specifically designed cutter is available as an accessory and achieves a perfect cut every time. To guarantee a fast installation, the base of the LFR trunking is both self-adhesive and hole punched. The unique folding system allows the cables to be held in place before closing the cover.

Specifications: Material: Rigid PVC
 Packing: Packing and contents compact 20 meter rolls, with punched base and self-adhesive tape.
 (Sold in complete packages only)

Dimensions Height/Width	Designation (height/width)	Color	References	Packing
	LFR 7012 (7 x 12)	White	LFR7012 09010 T2 4012740837606	20 m
	LFR 15015 (15 x 5)	White	LFR1501509010 T2 40127 4083 7613	20 m
	LFR 20020 (21 x 20)	White	LFR20020 09010 T2	20 m
	LFR 20035 (18 x 33)	White	LFR20035 0 9010 T2	20 m
	LFR 30030 (30 x 30)	White	LFR 30030 0 9010 T2	20 m
	Cutter		L5561	1 ea.



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DIN rail terminal blocks

- with screw connection
- with spring connection
- with IDC connection

Terminal blocks for electrical installations

- with screw connection
- with spring connection

Lighting and appliance terminals
Terminal strips

PC board connectors

- modular/pluggable
- insulated headers
- rising cage clamp/
plug connectors
- TOP connection
- Spring connection
- electronics housings

Electronics components

- relay modules
- solid-state modules
- interface modules
- function modules
- Power Supplies

Fieldbus components

- motor starter
- power bus
- distributed I/Os

Systems for electrical installation

- Mains connectors
- Bus connectors
- Compact connectors
- Low voltage connectors
- Flat cable systems
- Distribution systems
- EIB switching devices

Multipole connectors
Multipole adapter
EExi
Data cablefeed-through
Connectors with mixed contacts



Product Range