

Wire Management

Electro-Duct 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 mitred 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: 2.5×10^{-5} m/m°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

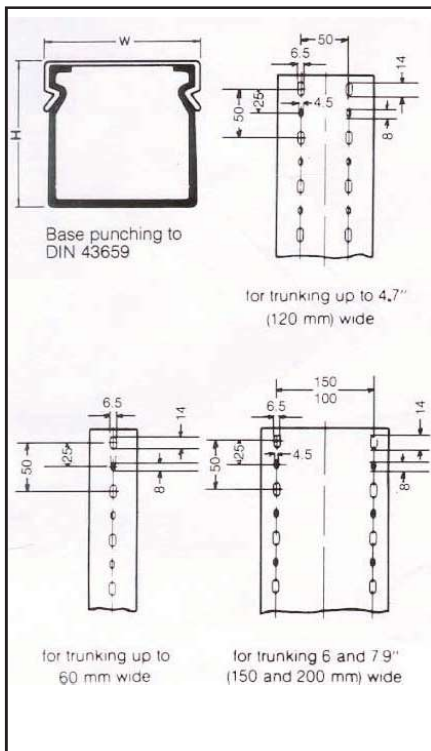
Maximum recommended number of wires used in various sizes of duct - based on 50% fill capacity and derived from the following formula:

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

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 - part # ends in .0
For White - part # ends in .1



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

Catalog Number	Dimensions (W x H)		Max. No. of 18 AWG at 50% Area Fill	Capacity (mm ²)	Std. Pkg. Ft.
	mm	Nominal Inches			
34.185.1501.0 (or .1)	19 x 19	0.75 x 0.75	25	272	210
34.185.3001.0 (or .1)	18 x 32	0.75 x 1.25	42	460	262
34.185.4001.0 (or .1)	19 x 44	0.75 x 1.75	62	668	177
34.185.6001.0 (or .1)	19 x 63	0.75 x 2.50	87	958	177
34.185.2002.0 (or .1)	31 x 23	1.25 x 1.00	52	570	262
34.185.3002.0 (or .1)	30 x 33	1.25 x 1.25	72	792	164
34.185.4002.0 (or .1)	30 x 44	1.25 x 1.75	95	1056	157
34.185.6002.0 (or .1)	30 x 65	1.25 x 2.50	140	1560	197
34.185.8002.0 (or .1)	31 x 85	1.25 x 3.25	199	2108	66
34.185.4004.0 (or .1)	45 x 44	1.75 x 1.75	143	1584	164
34.185.3004.0 (or .1)	46 x 34	1.75 x 1.25	112	1250	157
34.185.6004.0 (or .1)	46 x 65	1.75 x 2.50	215	2392	131
34.185.8004.0 (or .1)	47 x 85	1.75 x 3.25	287	3196	66
34.185.4006.0 (or .1)	67 x 45	1.50 x 1.75	217	2412	131
34.185.6006.0 (or .1)	66 x 65	2.50 x 2.50	313	3432	78
34.185.8006.0 (or .1)	67 x 85	2.50 x 3.25	410	4566	66
34.185.4008.0 (or .1)	86 x 45	3.50 x 1.75	278	3096	98
34.185.6008.0 (or .1)	86 x 65	3.50 x 2.50	408	4472	65
34.185.8008.0 (or .1)	87 x 85	3.50 x 3.25	531	5916	52
34.185.6010.0 (or .1)	107 x 65	4.25 x 2.50	524	5564	52
34.185.8010.0 (or .1)	107 x 85	4.25 x 3.25	709	7900	39
34.185.4012.0 (or .1)	126 x 45	5.00 x 1.75	446	4536	65
34.185.6012.0 (or .1)	126 x 65	5.00 x 2.50	593	6552	39
34.185.8012.0 (or .1)	127 x 85	5.00 x 3.25	776	8636	52
34.185.6015.0 (or .1)	156 x 65	6.00 x 2.50	740	8112	52
34.185.6020.0 (or .1)	206 x 65	8.00 x 2.50	977	10712	39

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