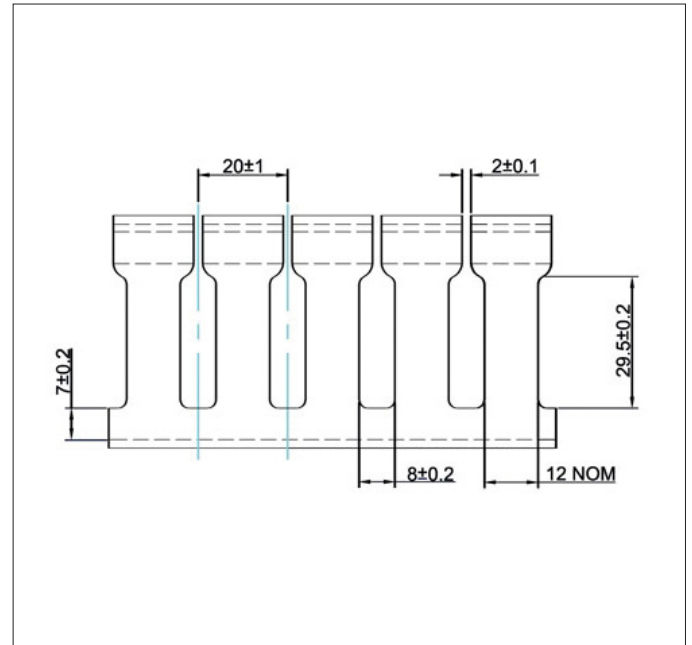


TECHNICAL SPECIFICATION • BETADUCT PVC - OPEN SLOT BLUE



DESCRIPTION

Open Slot PVC Betaduct provides a lightweight self-extinguishing cable trunking with excellent rigidity and performance characteristics. Wide fingers give additional cable support and terminated wires can be re-routed easily. Available with 20mm slot pitch, 8mm slot width in 13 sizes. Recommended fixing method; Betaduct rivets and washers.

APPLICATION

For use when bundles, cables and wires need supporting in control panels, distribution boards and switchgear. Ideal for all panel building applications.

SPECIFICATION

Material: Self-extinguishing PVC

Colour Options: Blue

Service Temperature Range: -15°C to +60°C

Flammability: UL94 V-O Rated Material

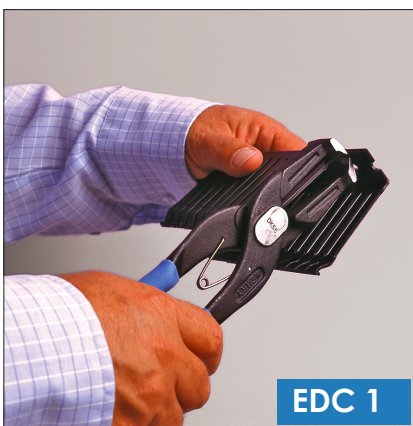
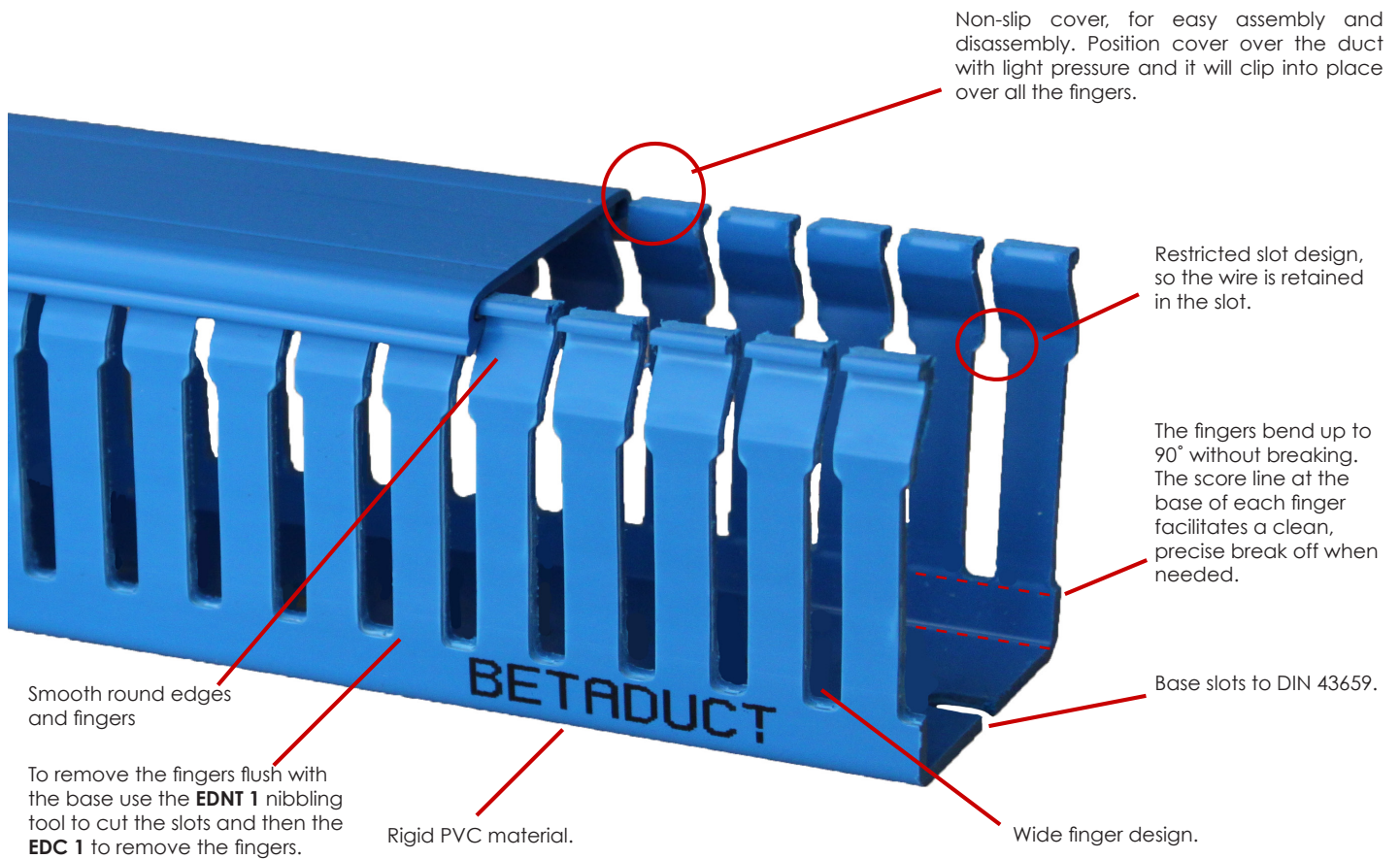
Standards: Base Slots to DIN 43659.
RoHS, CSA, UL and Lloyds Register Approved.

PART NUMBERS & SIZES

| PART NO. BLUE OPEN SLOT | NOMINAL SIZE INNER (WxH) mm | NOMINAL SIZE OUTER (WxH) mm | PACK QTY (METRES) |
|-------------------------------|-----------------------------------|-----------------------------------|----------------------|
| 09136 | 25 x 50 | 29 x 54 | 24 |
| 09146 | 25 x 75 | 29 x 79 | 16 |
| 09836 | 25 x 100 | 30 x 105 | 16 |
| 09856 | 37.5 x 50 | 41 x 54 | 16 |
| 09866 | 37.5 x 75 | 39 x 79 | 16 |
| 09876 | 37.5 x 100 | 37.5 x 100 | 16 |
| 09166 | 50 x 50 | 54 x 54 | 16 |
| 09176 | 50 x 75 | 55 x 79 | 16 |
| 09926 | 50 x 100 | 56 x 105 | 8 |
| 09196 | 75 x 75 | 80 x 80 | 16 |
| 09966 | 75 x 100 | 80 x 105 | 8 |
| 09996 | 100 x 75 | 107 x 80 | 8 |
| 1006 | 100 x 100 | 107 x 104 | 8 |



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| FEATURES | BENEFITS |
|---|--|
| Rigid PVC material | Self-extinguishing PVC. |
| Wide finger design | To give additional cable support. The wide fingers can be used with a range of wire and bundle sizes. |
| Restricted slot design | Saves time during installation, once wires are installed they will remain in the slot with or without cover. |
| Non-slip cover | Once installed lid will not slip. Easy clip-on assembly and disassembly. |
| Base slots to DIN 43659 | Staggered mounting holes, conforms to DIN standard. |
| Score line at base of each slot | To facilitate a clean, precise break off. |
| Smooth round edges | Free from burrs or sharp edges that could lead to abrasions on hands and cables. |
| Associated cutting tools: EDNT 1, EDC 1. | For clean, precise cutting of trunking fingers. |

BETADUCT CAPACITY CHART

| TRUNKING SIZE Width x Height mm | CROSS SECTIONAL AREA mm ² | AT 55% PACKING DENSITY mm ² | CABLE CROSS SECTIONAL AREA (mm ²) TRI-RATED CABLE BS6231 | | | | | | | | | | | | | |
|--|---|---|--|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | | 0.50 | 0.75 | 1.00 | 1.50 | 2.50 | 4.00 | 6.00 | 10.00 | 16.00 | 25.00 | 35.00 | 50.00 | 70.00 | 95.00 |
| | | | 2.7 | 2.9 | 3.1 | 3.4 | 3.8 | 4.4 | 5.1 | 6.8 | 8.64 | 10.16 | 11.46 | 13.97 | 16.46 | 18.54 |
| | | | CABLE DIAMETER (mm) | | | | | | | | | | | | | |
| MAXIMUM NUMBER OF CABLES | | | | | | | | | | | | | | | | |
| 15 x 15 | 225 | 123.75 | 21 | 18 | 16 | 13 | 10 | 8 | 6 | 3 | 2 | 1 | - | - | - | - |
| 19 x 50 | 950 | 522.5 | 91 | 79 | 69 | 57 | 46 | 34 | 25 | 14 | 8 | 6 | 5 | 3 | 2 | 1 |
| 25 x 20 | 500 | 275 | 48 | 41 | 36 | 30 | 24 | 18 | 13 | 7 | 4 | 3 | 2 | 1 | 1 | 1 |
| 25 x 37.5 | 937.5 | 515.6 | 90 | 78 | 68 | 56 | 45 | 33 | 25 | 14 | 8 | 6 | 4 | 3 | 2 | 1 |
| 25 x 50 | 1250 | 687.5 | 120 | 104 | 91 | 75 | 60 | 45 | 33 | 18 | 11 | 8 | 6 | 4 | 3 | 2 |
| 25 x 75 | 1875 | 1031.25 | 180 | 156 | 136 | 113 | 90 | 67 | 50 | 28 | 17 | 12 | 9 | 6 | 4 | 3 |
| 25 x 100 | 2500 | 1375 | 240 | 208 | 182 | 151 | 121 | 90 | 67 | 37 | 23 | 16 | 13 | 8 | 6 | 5 |
| 37.5 x 37.5 | 1406 | 773.3 | 135 | 117 | 102 | 85 | 68 | 50 | 37 | 21 | 13 | 9 | 7 | 5 | 3 | 2 |
| 37.5 x 50 | 1875 | 1031.25 | 180 | 156 | 136 | 113 | 90 | 67 | 50 | 28 | 17 | 12 | 9 | 6 | 4 | 3 |
| 37.5 x 75 | 2813 | 1547.15 | 270 | 234 | 204 | 170 | 136 | 101 | 75 | 42 | 26 | 19 | 14 | 10 | 7 | 5 |
| 37.5 x 100 | 3750 | 2062.5 | 360 | 312 | 273 | 227 | 181 | 135 | 100 | 56 | 35 | 25 | 19 | 13 | 9 | 7 |
| 50 x 25 | 1250 | 687.5 | 120 | 104 | 91 | 75 | 60 | 45 | 33 | 18 | 11 | 8 | 6 | 4 | 3 | 2 |
| 50 x 37.5 | 1875 | 1031.25 | 180 | 156 | 136 | 113 | 90 | 67 | 50 | 28 | 17 | 12 | 9 | 6 | 4 | 3 |
| 50 x 50 | 2500 | 1375 | 240 | 208 | 182 | 151 | 121 | 90 | 67 | 37 | 23 | 16 | 13 | 8 | 6 | 5 |
| 50 x 75 | 3750 | 2062.5 | 360 | 312 | 273 | 227 | 181 | 135 | 100 | 56 | 35 | 25 | 19 | 13 | 9 | 7 |
| 50 x 100 | 5000 | 2750 | 480 | 416 | 364 | 303 | 242 | 180 | 134 | 75 | 46 | 33 | 26 | 17 | 12 | 10 |
| 75 x 37.5 | 2813 | 1547.15 | 270 | 234 | 204 | 170 | 136 | 101 | 75 | 42 | 26 | 19 | 14 | 10 | 7 | 5 |
| 75 x 50 | 3750 | 2062.5 | 360 | 312 | 273 | 273 | 181 | 135 | 100 | 56 | 35 | 25 | 19 | 13 | 9 | 7 |
| 75 x 75 | 5625 | 3093.75 | 540 | 468 | 409 | 410 | 272 | 203 | 151 | 85 | 52 | 38 | 29 | 20 | 14 | 11 |
| 75 x 100 | 7500 | 4125 | 720 | 624 | 546 | 547 | 363 | 271 | 201 | 113 | 70 | 50 | 39 | 26 | 19 | 15 |
| 100 x 50 | 5000 | 2750 | 480 | 416 | 364 | 364 | 242 | 180 | 134 | 75 | 46 | 33 | 26 | 17 | 12 | 10 |
| 100 x 75 | 7500 | 4125 | 720 | 624 | 546 | 454 | 363 | 271 | 201 | 113 | 70 | 50 | 39 | 26 | 19 | 15 |
| 100 x 100 | 10000 | 5500 | 960 | 832 | 728 | 605 | 484 | 361 | 269 | 151 | 93 | 67 | 53 | 35 | 25 | 20 |
| 100 x 125 | 12500 | 6875 | 1200 | 1040 | 910 | 757 | 606 | 452 | 336 | 189 | 117 | 84 | 66 | 44 | 32 | 25 |
| 125 x 75 | 9375 | 5156.25 | 900 | 780 | 683 | 567 | 454 | 339 | 252 | 141 | 87 | 63 | 49 | 33 | 24 | 19 |