

EGA® MINI

RANGE INTRODUCTION

Ega Mini Trunking consists of a range of sizes of extruded PVCu sections for the containment of electrical and data cabling for surface wiring.

The products are ideally suited for refurbishment programmes as well as new installation projects, both in the domestic and commercial sectors.

Speedfix Mini Trunking is complete with an acrylic foam adhesive for fast location of power circuits and secure containment of low voltage wiring.

FEATURES & BENEFITS

WIDE RANGE OF TRUNKING PROFILES

WIDE RANGE OF INTEGRATED COMPONENTS

Maximises versatility of application

EASY TO ASSEMBLE AND INSTALL

DURABLE AND IMPACT RESISTANT

SPEEDFIX OPTIONS

For faster installation

ALL EXTRUSIONS MANUFACTURED FROM 100% RECYCLED MATERIAL*

5 YEAR GUARANTEE

*Based on 2014 consumption

HOW TO SPECIFY

A range of mini conduit manufactured from recycled PVCu and available in 16mm x 16mm to 50mm x 50mm sizes. All products to be designed and manufactured to comply to BS EN 50085 Part 1 whilst a wide range of accessories provide maximum versatility and installation. Additional optional "Speedfix" mini trunking to utilize foam adhesive for fast location and installation for power circuits and low voltage wiring.

Ega Mini®

Manufactured in accordance with BS EN 50085 Part 1.

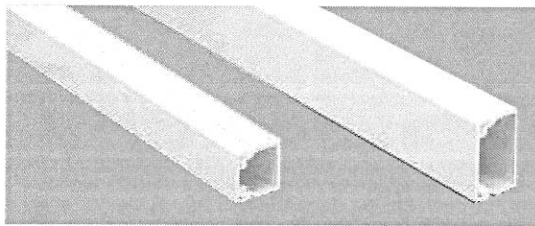
Standard Length:
3 metres

Available in 2 metre lengths for Non UK Markets.

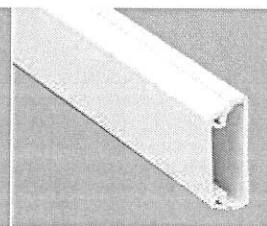
Material: PVCu

Mini Trunking

3 METRE LENGTHS

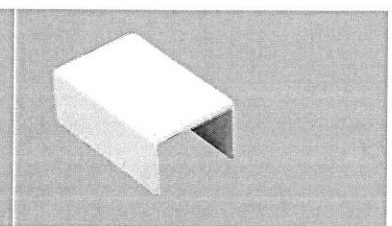


2 METRE LENGTHS
(FOR NON UK MARKETS)



Coupling

MOULDED



16 x 16mm	YT1WHI	90m		YT1D1WHI	60m	YC1WHI	20
25 x 16mm	YT2WHI	90m	YT2CHA	30m	YT2D1WHI	60m	YC2WHI OR CHA
32 x 12.5mm	YT200WHI	30m		YT200D1WHI	32m	YC200WHI	20
40 x 16mm	YT3WHI	45m		YT3D1WHI	32m	YC3WHI	10
40 x 25mm	YT4WHI	45m	YT4CHA	30m	YT4D1WHI	32m	YC4WHI
40 x 40mm	YT5WHI	45m		YT5D1WHI	32m	YC5WHI	10
50 x 25mm	YT6WHI	30m		YT6D1WHI	32m		
50 x 32mm	YT7WHI	30m		YT7D1WHI	32m		
50 x 50mm	YT8WHI	12m				YC8WHI	10

Manufactured in accordance with BS EN 50085 Part 1.

Standard Length:
3 metres

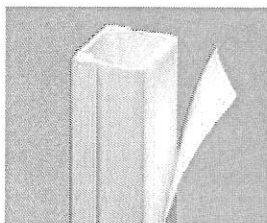
Available in 2 metre lengths for Non UK Markets.

Material: PVCu

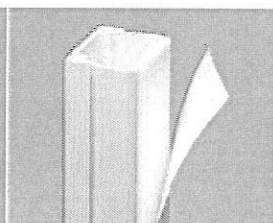
Self Adhesive Tape should not be relied upon for permanent fixing of the Speedfix range. A permanent means (such as screws) should also be used.

Speedfix Mini Trunking

3 METRE LENGTHS

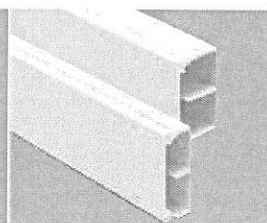


2 METRE LENGTHS

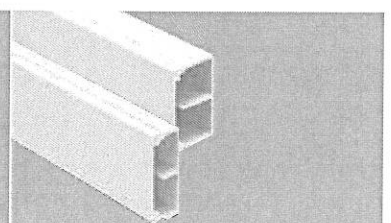


Twin Compartment Trunking

3 METRE LENGTHS



2 METRE LENGTHS



16 x 16mm	SPF1WHI	60m	SPF1D1WHI	60m		
25 x 16mm	SPF2WHI	30m	SPF2D1WHI	60m		
32 x 12.5mm						
40 x 16mm	SPF3WHI	30m	SPF3D1WHI	32m	ZT3WHI	30m
40 x 25mm	SPF4WHI	30m			ZT4WHI	30m
40 x 40mm					ZT4D1WHI	32m
50 x 25mm						
50 x 32mm						
50 x 50mm						



Technical Hotline
+44 (0)1268 563720

Ega Mini[®]

CABLE MANAGEMENT
CONDUIT
AND MINI

End Cap

MOULDED

Internal Corner

MOULDED

Internal Data Corner

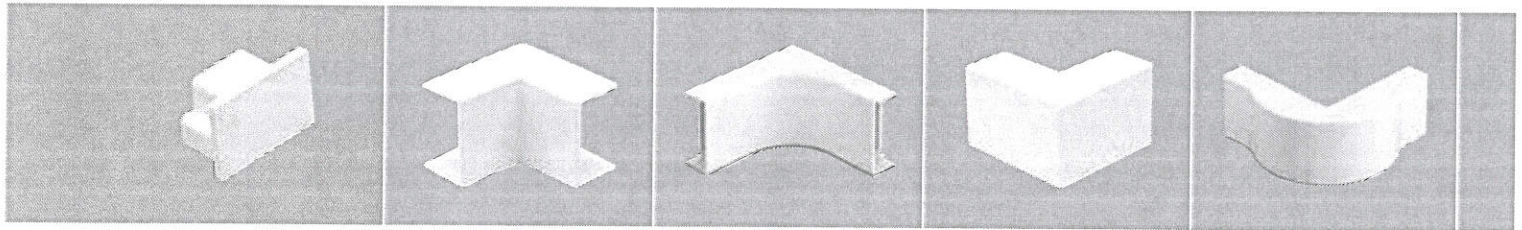
MOULDED

External Corner

MOULDED

External Data Corner

MOULDED



YEP1WHI	20	YAI1WHI	20		YAE1WHI	20	
YEP2WHI OR CHA	20	YA12WHI OR CHA	20		YAE2WHI OR CHA	20	
YEP200WHI	20	YA1200WHI	20		YAE200WHI	20	
YEP3WHI	20	YA13WHI	5	YDA13WHI	10	YAE3WHI	5
YEP4WHI OR CHA	20	YA14WHI OR CHA	5		YAE4WHI OR CHA	5	YDAE3WHI
YEP5WHI	20	YA15WHI	5		YAE5WHI	5	
YEP6WHI	10	YA16WHI	5		YAE6WHI	5	
YEP7WHI	10	YA17WHI*	5		YAE7WHI*	5	
YEP8WHI	10	YA18WHI	5		YAE8WHI	5	

*Fabricated

*Fabricated

Flat Angle

MOULDED

Flat Data Angle

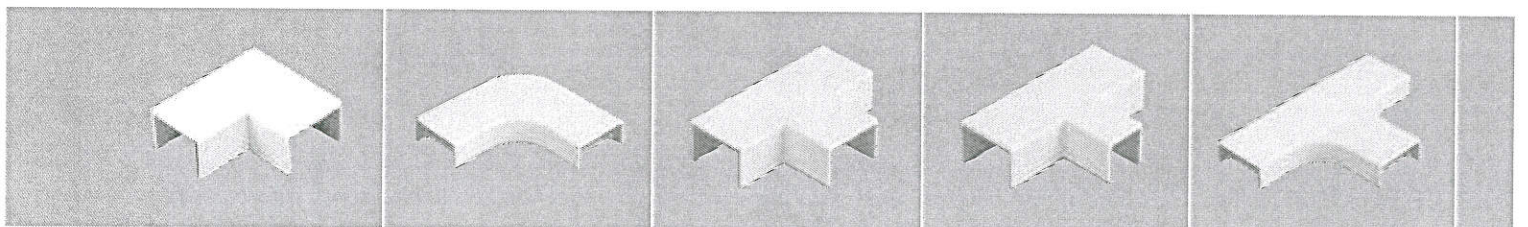
MOULDED

Flat Tee

MOULDED

Flat Data Tee

MOULDED



YAF1WHI	20		YTF1WHI	20		
YAF2WHI OR CHA	20		YTF22WHI OR CHA	20	YTF21WHI	20
YAF200WHI	20		YTF200WHI	20		
YAF3WHI	5	YDAF3WHI	10	YTF3WHI	5	YDTF3WHI
YAF4WHI OR CHA	5		YTF4WHI OR CHA	5	YTF42WHI OR CHA	5
YAF5WHI	5		YTF5WHI	5		
YAF6WHI	5		YTF6WHI	5		
YAF7WHI*	5		YAF6WHI*	5		
YAF8WHI	5		YAF8WHI	5		

*Fabricated

*Fabricated

Flat Tee vertical aperture sizes:
YTF21WHI 16 x 16mm

Flat Tee vertical aperture sizes:
YTF42WHI 25 x 16mm

Ega Mini Trunking Technical

Ega Mini, Communication and Red Alert Trunking

Standards and Approvals

EGA mini-trunking systems are manufactured in accordance with the requirements of BS EN 50085-1 and BS 4678 Part 4 and achieve medium impact classification.

Red Alert mini-trunking complies with the following:

BS 5839 Fire detection and alarm systems in buildings (if used with fire product, ie. cables, cables must still be secured with metal securing clips **inside** trunking or trunking held with metal clip **around** trunking to comply with BS 5839 Part 1).

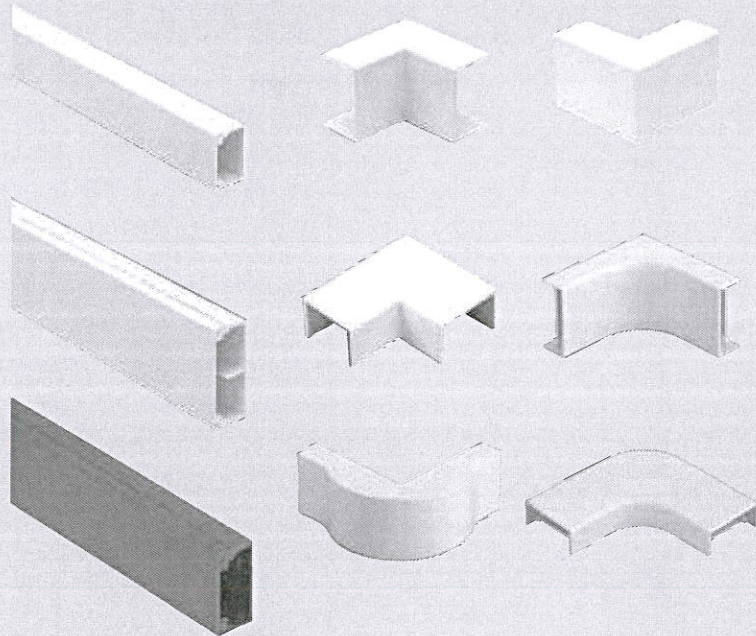
BS 4662 Boxes for the enclosure of electrical accessories BS EN 50085-1 and BS 4678 Part 4 Cable trunking made of insulating material.

All systems comply with all relevant requirements of the latest Edition of the IET Wiring Regulations.

Ega Mini Trunking systems are Class 1Y for spread of flame when tested in accordance with BS 476 Part 7.

521.200 Wiring systems in escape routes.

Trunking systems – MK recommends the use of existing metallic cable retention systems when using trunking in escape routes.



TECHNICAL SPECIFICATION

MATERIALS

PVCu materials used in the manufacture of MK products are self extinguishing non-flame propagating in accordance with BS 4678 Part 4.

Extrusion material has been tested by a UKAS accredited laboratory in accordance with the requirements of BS 476 Part 7 and has achieved a Class 1Y.

Moulding material has been tested by a UKAS accredited laboratory and conforms with IEC 695-2-1 at a severity of 650°C.

IET WIRING REGULATIONS

Designed and manufactured to comply in all respects with BS 7671:2008 (IET Wiring Regulations 17th Edition: 2008)

QUALITY ASSURANCE

The system is manufactured to BS EN ISO 9001

Classifications to BS EN 50085-1:2005 and BS EN 50085-2-1:2006 available on request

FEATURES

- Wide range of trunking profiles
- Red Alert profile for alarm circuits
- Wide range of integrated components maximises versatility of application
- Unobtrusive and neat
- Easy to assemble and install
- Durable and impact resistant to Medium Classification BS EN 50085-1 and BS 4678 Part 4
- Communication trunking for voice and data
- Speedfix options allow fast installation
- All extrusions manufactured from 100% recycled material*

* Based on 2014 consumption



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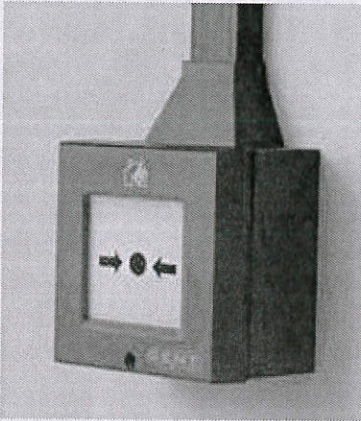
Ega Mini Trunking Technical

CABLE MANAGEMENT
PERIMETER AND
DISTRIBUTION

Ega Mini, Communication and Red Alert Trunking

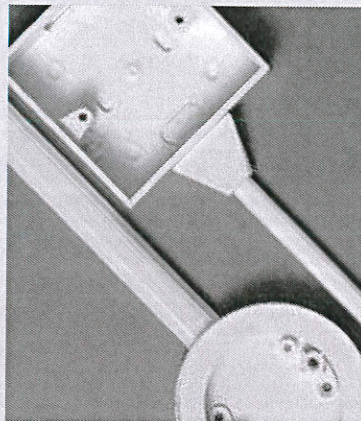
Description

A range of trunking systems designed for cable distribution in new or refurbishment projects in the domestic and commercial sectors.



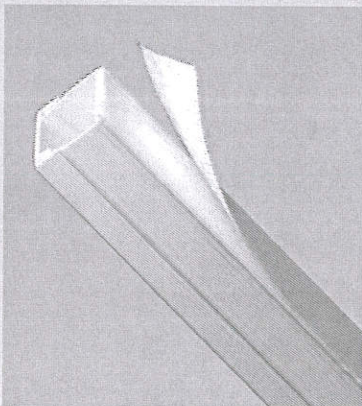
Red Alert

Available in red, simplifies alarm circuit identification and is specifically designed for use with light duty mineral insulated cables.



Communication trunkings

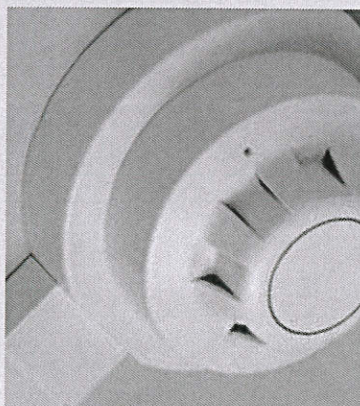
Designed to take smaller diameter telecommunications and data cabling. There are three sizes available and the systems are complete with a range of fittings.



Speedfix trunkings

These are self-adhesive profiles used to distribute data and voice cabling.

All systems are compatible and have simple clip on lids which positively locate when hand pressure is applied.

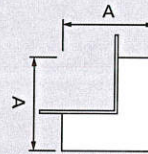


Circular boxes

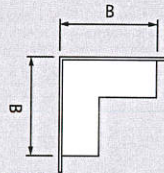
These are designed to accept standard ceiling roses, pull switches and plug-in lighting fittings. The base incorporates an earth terminal facility (order terminal separately). Red Alert bases are supplied with earth terminal. 50.8 mm fixing centres and M4 Pillar inserts. Load suspension 3 kg @ 60°C max.

Components

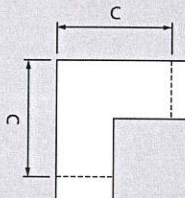
The four components shown below are fabricated sections and space must be allowed for inclusion in runs of trunking. All other components snap on over standard trunking profiles.



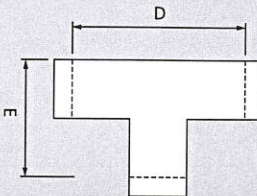
EXTERNAL CORNER (90°) YAE	
LIST NO	A
YAE7	80mm



INTERNAL CORNER (90°) YAI	
LIST NO	B
YAI7	50mm



FLAT ANGLE (90°) YAF	
LIST NO	C
YAF7	100mm

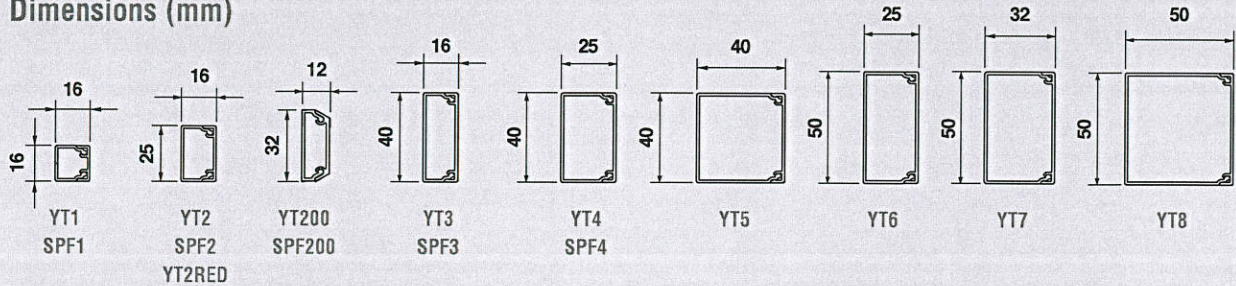


FLAT TEE (90°) YTF		
LIST NO	D	E
YTF7	150mm	100mm

Ega Mini Trunking Technical

Ega Mini, Communication and Red Alert Trunking

Dimensions (mm)



EGA MINI AND RED ALERT CABLE CAPACITY																								
TYPE OF CONDUCTOR	SIZE FACTOR	CABLE	YT1 / SPF1	YT2 / SPF2 / YT2RED	YT200 / SPF200	YT3 / SPF3	ZT3 (each cmpt)	YT4 / SPF4	ZT4 (each cmpt)	YT5	YT6	YT7	YT8											
			FULL TERM CSA 100% FILL (mm ²)																					
			154	276	234	458	224	795	387	1312	948	1273	2037											
TERM AT 45% FILL (mm ²)																								
69	124	105	206	100	357	174	590	426	572	916														
POWER CABLES			NUMBER OF CABLES AT 45% FILL																					
PVC	1.5mm ²	8.6	8	14	12	23	11	41	20	68	49	66	106											
Stranded	2.5mm ²	12.6	5	9	8	16	7	28	13	46	33	45	72											
	4mm ²	16.6	4	7	6	12	6	21	10	35	25	34	55											
	6mm ²	21.2	3	5	4	9	4	16	8	27	20	26	43											
DATA CABLES			NUMBER OF CABLES AT 45% FILL (A) AND FULL CAPACITY (B)																					
			A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B				
Cat5E UTP	5.5mm dia.	30.2	2	5	4	9	3	7	6	15	3	7	11	26	5	12	19	43	14	31	18	42	30	67
Cat5E STP	6.0mm dia.	36.0	1	4	3	7	2	6	5	12	2	6	9	22	4	10	16	36	11	26	15	35	25	56
Cat6 UTP	6.5mm dia.	42.2	1	3	2	6	2	5	4	10	2	5	8	18	4	9	13	31	10	22	13	30	21	48
Cat6 STP	7.0mm dia.	49.0	1	3	2	5	2	4	4	9	2	4	7	16	3	7	12	26	8	19	11	25	18	41

EGA COMMUNICATION CABLE CAPACITY									
TYPE OF CONDUCTOR	SIZE FACTOR	CABLE	CMT1 / SMT1	CMT3 / SMT3	CMT4 / SMT4				
			FULL TERM CSA 100% FILL (mm ²)						
			44	102	156				
			TERM AT 45% FILL (mm ²)						
19	45	70							
POWER CABLES			NUMBER OF CABLES AT 45% FILL						
PVC	1.5mm ²	8.6	8.6	5	8				
Stranded	2.5mm ²	12.6	1	3	5				
	4mm ²	16.6	1	2	4				
	6mm ²	21.2	0	2	3				
DATA CABLES			NUMBER OF CABLES AT 45% FILL (A) AND FULL CAPACITY (B)						
			A	B	A	B	A	B	
Cat5E UTP	5.5mm dia.	30.2	0	1	1	3	2	5	
Cat5E STP	6.0mm dia.	36.0	0	1	1	2	1	4	
Cat6 UTP	6.5mm dia.	42.2	0	1	1	2	1	3	
Cat6 STP	7.0mm dia.	49.0	0	0	0	2	1	3	

Dimensions (mm)

