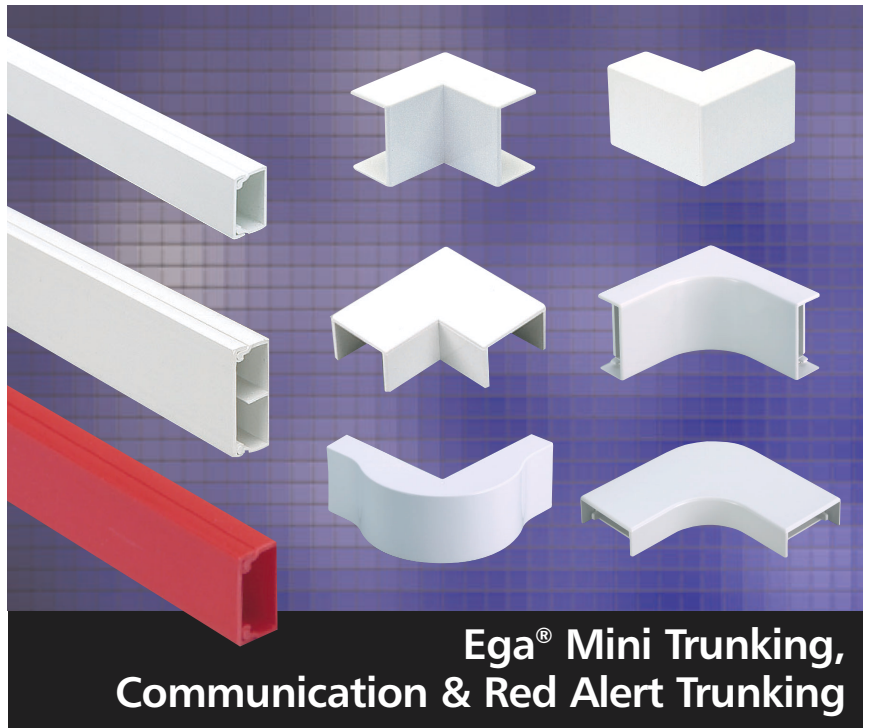TECHNICAL DATA SHEET
Ega
**Mini Trunking,
Communication &
Red Alert Trunking**
1:5

Ega® Mini Trunking, Communication & Red Alert Trunking

PRODUCT RANGE

Mini trunking	List No.	
	Standard	Red Alert⌀
16 x 16 mm	YT/1	-
25 x 16 mm	YT/2*	YT/2 RED
32 x 12.5 mm	YT/200	-
40 x 16 mm	YT/3	-
40 x 25 mm	YT/4*	-
40 x 40 mm	YT/5	-
50 x 25 mm	YT/6	-
50 x 32 mm	YT/7	-
Speed fix mini trunking		
16 x 16 mm	SPF/1	-
25 x 16 mm	SPF/2	-
32 x 12.5	SPF/200	-
40 x 16 mm	SPF/3	-
40 x 25 mm	SPF/4	-

Mini trunking	List No.	
	Standard	Red Alert⌀
Twin compartment trunking		
40 x 16 mm	ZT/3	-
40 x 25 mm	ZT/4	-
Communication trunking		
11 x 8 mm	CMT/1	-
16 x 10 mm	CMT/3	-
20 x 12.5 mm	CMT/4	-
Speedfix communication trunking		
11 x 8 mm	SMT/1	-
16 x 10 mm	SMT/3	-
20 x 12.5 mm	SMT/4	-

All trunkings are available in white.

* YT/2 and YT/4 trunking and fittings are available in white and charcoal.

⌀Red Alert components are available in red.

All trunking is supplied in 3 metre lengths as standard.

Component range	List No. †	
	Standard	Red Alert⌀
Clip on couplings/ internal	YC	YC2/RED
End caps	YEP	YEP/2/RED
Flat angles	YAF	YAF/2/RED
Internal corners	YAI	YAI/2/RED
Internal data corner	YDAI	-
External corners	YAE	YAE/2/RED
External data corner	YDAE	-
Side tees	YST	YST/2/2/RED
Flat tees	YTF	YTF/2/2/RED
Flat data tee	YDTF	-
3 way intersections L/H	YAL	-
R/H	YAR	-
Adaptors		
For use with mini trunking	YEA	YEA/2/RED
moulded	UEA	-
side mounting	YSA	-
square to 20 mm round	YTO	-
Spout (Speedfix only)	CMA	-
Circular boxes	YCR	YCR/502/RED
Boxes	ESU	(see separate table page 5:5 for full details)

† Please note that only part of the list No. is shown here. The three letters denote component type, for digits to denote component size, please refer to main catalogue.

Standards and approvals

Ega mini trunking systems are manufactured in accordance with the requirements of BS 4678, Part 4.

Red Alert mini-trunking complies with the following:
BS 5839 Fire detection and alarm systems in buildings
BS 4662 Boxes for the enclosure of electrical accessories
BS 4678: Part 4 Cable trunking made of insulating material

All products are designed and manufactured to allow installation to comply with BS7671 - IEE Wiring Regulations.

PVC-U is Class I for spread of flame when tested in accordance with BS 476, Part 7.

Features

- ■ Wide range of trunking profiles
- ■ Red Alert profile for alarm circuits
- ■ Wide range of integrated components maximises versatility of application
- ■ Unobstrusive and neat
- ■ Easy to assemble and install
- ■ Durable and impact resistant
- ■ Communication trunking for voice and data
- ■ Speedfix options allow fast installation

Ega

**Mini Trunking,
Communication &
Red Alert Trunking**

2:5

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 trunking

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 trunking

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 alarms. 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 5 kg @ 60˚C max.

Ega

**Mini Trunking,
Communication &
Red Alert Trunking**

3:5

Dimensions

List. No.	Size mm	Wall thickness mm	Weight kg/m	Cross section area mm^2	Cable Term
Mini Trunking and Red Alert					
YTI/SPF1	16 x 16	1.2	0.15	154	69
YT2/SPF2/YT2 RED	25 x 16	1.2	0.18	276	124
YT200/SPF200	32 x 12.5	1.4	0.2	234	105
YT3/SPF3	40 x 16	1.4	0.26	458	206
ZT3	40 x 16	1.4	0.3	224 x 2	102 x 2
YT/4, SPF/4	40 x 25	1.4	0.33	795	357
ZT4	40 x 25	1.4	0.36	387 x 2	174 x 2
YT5	40 x 40	1.8	0.43	1312	590
YT6	50 x 25	1.8	0.46	948	426
YT7	50 x 32	1.8	0.47	1273	572
Communications trunking					
CMT/1, SMT/1	11 x 8	1.0	0.06	44	19
CMT/3, SMT/3	16 x 10	1.0	0.66	102	45
CMT/4, SMT/4*	20 x 12.5	1.2	0.1	156	70

*Chamfered profile.

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° **YAI**	Internal Corner 90° **YAE**	Flat Angle 90° **YAF**	Flat Tee 90° **YTF**	
	A	B	C	D	E
YT1/SPF1	??mm	??mm	??mm	??mm	??mm
YT2/SPF2/YT2 RED	??mm	??mm	??mm	??mm	??mm
YT200/SPF200	??mm	??mm	??mm	??mm	??mm
YT3/SPF3	??mm	??mm	??mm	??mm	??mm
ZT3	??mm	??mm	??mm	??mm	??mm
YT/4, SPF/4	??mm	??mm	??mm	??mm	??mm
ZT4	??mm	??mm	??mm	??mm	??mm
YT5	??mm	??mm	??mm	??mm	??mm
YT6	??mm	??mm	??mm	??mm	??mm
YT7	80mm	50mm	100mm	150mm	100mm

Ega

Mini Trunking, Communication & Red Alert Trunking

4:5

Mini and Communications trunking installation

Fixing

Mini trunking and communication trunking should be mechanically fixed to the mounting surface using wood screws, or similar. Fixing centres should be no greater than 500mm and no more than 100mm from the end or a join. The trunking body should be mitred at all 90˚ bends or angles. Unevenness in mounting surface may indicate a need for reduced fixing centres. Allowance for expansion and contraction should be made.

Fittings

A wide range of fittings are available to create the required trunking configuration.

Mounting boxes

A wide range is available in various depths with a variety of knockout positions (see boxes table at end of section).
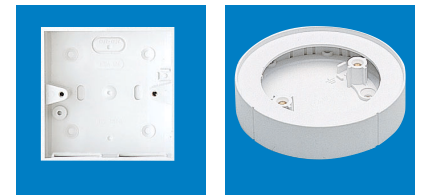
Circular boxes

These are designed to accept standard ceiling roses, pull switches and alarms (see boxes table at end of section).

Speedfix trunking installation

For both Mini and Communication trunking ensure mounting surface is clean, firm and free from grease or dust prior to fixing. Align trunking run peel off backing strip and press trunking firmly into place.

This self adhesive trunking can be used for affixing data and voice distribution. However, where used for power cabling it is recommended the self adhesive fixing be used as an installation aid and the trunking be fixed securely by screw or other mechanical fixing, in accordance with the BS7671 (IEE Regulations) and Local Authority Regulations.
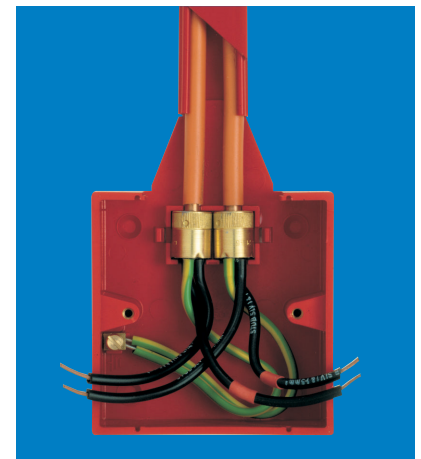
Red Alert trunking installation

Regulations

BS 5839: Part 1 Section 17.8 permits the use of non-flame propagating trunking to BS 4678: Part 4 in fire alarm installations.

BS7671: do not require cables within trunking to be clipped or fixed except when a vertical drop exceeds 5 metres.

BS7671: stipulate bending radii of M.I. cable as six times the diameter. The bending radii of the cables in the following tables can be accommodated.

Bare cable

Cable reference	Cable diameter	Earth tail seal	One-hole clip
CC 2L1.0	5.1 mm	RPSL 2L 1.0	RCC 1
CC 2L1.5	5.7 mm	RPSL 2L1.5	RCC 1
CC 3L1.0	5.8 mm	RPSL 3L1.0	RCC 1

Oversheathed cable

Cable reference	Cable diameter	Earth tail seal	One-hole clip
CCV 2L1.0	6.6 mm	RPSL 2L 1.0	RCCJ 2
CCV 2L1.5	7.2 mm	RPSL 2L1.5	RCCJ 2
CCV 3L1.0	7.3 mm	RPSL 3L1.0	RCCJ 2

Fixing

Trunking should be mechanically fixed to the mounting surface using woodscrews or similar. Fixing centres should be no greater than 500mm and no more than 100mm from the end or a join.

Allowance for expansion and contraction should be made.

Unevenness in mounting surface may indicate a need for reduced fixing centres.

Ega

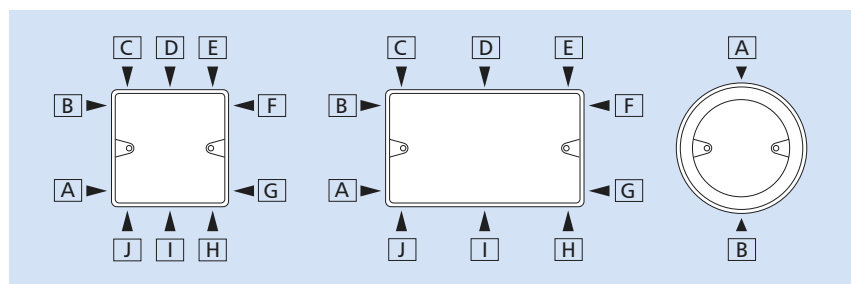## Mini Trunking, Communication & Red Alert Trunking

5:5

Boxes

This table breaks down box specifications showing gangs, entry points, cut outs and corner types. All Mini trunking and Speedfix boxes are surface mounted.

Mini Trunking and Speedfix trunking

List No.	Gang	32 x 16 mm* rectangular entry (see diagrams below)	Cut outs in back	Corner
25mm deep				
ESU/22/1/1	1	A	2	square
ESU/23/1/1	1	A	2	round
ESU/22/1	1	I	2	round
ESU/25/1/2	1	D, I	1	square
ESU/22/2/3	2	A, F, I	2	round
ESU/23/2/3	2	A, F, I	2	square
ESU/25/2/3	2	D, H, J	-	square
32mm deep				
ESU27/1/3	1	D, H, J	1	square
ESU27/2/1	2	I	1	square
ESU35/1/1	1	I	2	round
ESU35/2/3	2	A, F, I	2	round
41mm deep				
ESU44/2/3	2	A, F, I	2	square
Side mounting 25mm deep				
ESU32/1/25*	1 mt.	-	-	square
ESU32/1/40*	1 mt	-	-	square
ESU32/2/25	2 mt	-	-	square
ESU32/2/40	2 mt	-	-	square
Circular boxes				
YCR/1/EL	1	All round	-	-
YCR/200/1/EL	1	A	-	-
YCR/200/2/EL	1	A, B	-	-
YCR/100/1/EL	1	A	-	-
YCR/100/2/EL	1	A, B	-	-

* The letters in this column refer to the position of knockouts as shown on diagrams below

Mounting boxes

A range of fittings is available to create the required trunking configurations.

Mounting boxes should be fixed 1.4 metres above floor level, in accordance with BS 5839 Part 1.

A projection tab is provided to align and locate trunking to the box.

Install and terminate the M.I. cable using earth tail seals (RPSL). Cut trunking lids to size and refit.

The top half of the clamp adaptor is engaged in the box side and clipped into place to secure the pots and locate the end of the trunking.

Earth tail should be terminated in the box earth terminal.

Call points must be installed in accordance with the manufacturers instructions.

Full fixing instructions are supplied with product.

Red Alert trunking

List No.	Gang	32 x 16 mm rectangular entry	Cut outs in back	Corner
ESU/501	1	D	-	square
ESU/502	1	D, J	-	square
ESU/503	1	D	-	square
ESU/504	1	D, J	-	square
Circular boxes				
YCR/502 R	1	A	-	-
YCR/502	1	A	-	-

*4 fixing centres

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for mk *manufacturer:*

Other Similar products are found below :

K3703 K3520WHI MKEV016GIB-OY500 K14182 BSS K9133BLU K9015 RED 866ZIC K3828WHI K9701BLU K9201BLU K4878PWHI K9033BLU K9014BLU K2142WHI MKSDSOCKET-Pinboard V1 K182WHI K3827WHI VTS/7035 WHI K9001BLU K2172WHI VTS/6035 WHI K850ALM MKSD-Pinboard MKRD3B25616HG13AB MKEV008GCB-SS510 MKDV1GIL-AS MKDV2GIL-AS MKDV8GIL-AS MKDV4GIL-AS