



TRAYS + LADDERS + WIRE MESH classification ≤ 600 mm

Fire performances are valid for for range of cable group + max. Cu mm² with steel services:

cable group 1 + 2 + 3 + 5
dØ up to 80 mm
cable group 4 (data + fibre optic)
dØ up to 100 mm

service size	Cu mm ²	cable specs	construct. type
cable ladders + cable trays ≤ 300mm	max. Cu mm² = 29647	each cable assembly within max. Cu mm ² , all cable groups are allowed, max.: Ø 21mm group 1 - small sheathed Ø 61mm group 2 - medium sheathed Ø 80mm group 3 - large sheathed Ø 100mm group 4 - data + fibre optic Ø 23mm group 5 - non-sheathed all conduits: max. 3x Ø 16mm steel / plastic	flexible + rigid walls + rigid floors
	max. Cu mm² = 15707	each cable assembly within max. Cu mm ² , all cable groups are allowed, max.: Ø 21mm group 1 - small sheathed Ø 47mm group 2 - medium sheathed Ø 52mm group 3 - large sheathed Ø 100mm group 4 - data + fibre optic Ø 23mm group 5 - non-sheathed all conduits: max. 3x Ø 16mm steel / plastic	
cable trays ≤ 600mm	max. Cu mm² = 12619	cable assembly within max. Cu mm ² , allowed cable groups: group 1 - small sheathed group 4 - data + fibre optic	
	max. Cu mm² = 6401	cable assembly within max. Cu mm ² , allowed cable groups: group 1 - small sheathed group 2 - medium sheathed group 4 - data + fibre optic	
wire mesh cable trays ≤ 600mm	max. Cu mm² = 6401	cable assembly within max. Cu mm ² , allowed cable groups: group 1 - small sheathed group 2 - medium sheathed group 4 - data + fibre optic	

- 1: flexible wall ≥100mm
- 2: rigid wall ≥100mm
- 3: rigid wall ≥150mm
- 5: rigid floor ≥150mm

suitable Firetect products within classification:

Graphite sealant DoP CPR-14/0273	Acrylic or PA sealer DoP CPR-14/0273
EI 60 in wall 1+2+3	EI 60 in wall 1+2+3
EI 30 in wall 1+2+3	EI 30 in wall 1+2+3
EI 30 in wall 2+3	EI 30 in wall 2+3
EI 60 in floor 5	EI 60 in floor 5
EI 60 in wall 1+2+3	EI 60 in wall 1+2+3
EI 60 in floor 5	EI 60 in floor 5
results max. EI 180 in wall 3	EI 120 in wall 1+2+3
	EI 60 in wall 1+2+3
	EI 60 in wall 1+2+3
	EI 90 in wall 1+2+3
	EI 60 in floor 5

joint details, default:
walls: 5mm around cables, apply on 2 sides
floors: 5mm around cables, apply on 2 sides

Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

support distance (mm)	opening in supporting construction			finish
at 250mm + 500mm	max. opening (mm)	PA board DoP CPR-14/0260	or	FR mortar
at 500mm	600x1200	2x 50mm 2S		100mm
at 500mm	600x1200	2x 50mm 2S		100mm
at 500mm	600x1200	1x 50mm 2S		50mm
at 250mm + 400mm	600x5000	2x 50mm 2S		100mm
at 500mm	600x1200 +25%	2x 50mm 2S		100mm
at 250mm + 400mm	600x5000	2x 50mm 2S		100mm
at 500mm	620 x 70	1x 50mm 2S		50mm
at 500mm	620 x 70	-		-
at 250mm + 500mm	730 x 230	2x 50mm 2S		100mm
at 250mm + 500mm	660 x 120	2x 50mm 2S		100mm
at 400mm	600 x 800	2x 50mm 2S		100mm

NO coating on cables, cable trays or construction

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