

Notes:

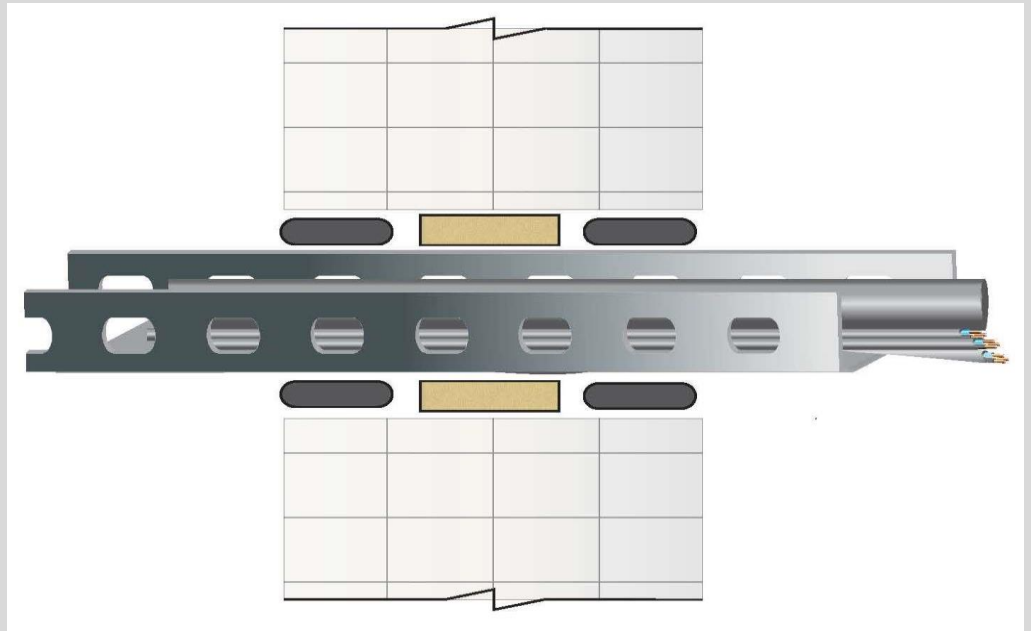
- installation instructions in [TDS](#)
- **all cable dØ** are allowed within group type and max. Cu mm²
- EI for flexible walls ≥100mm is also applicable for **rigid walls** ≥100mm
- default: coating on cables and/or trays is **NOT** required!

principle detail

Firetect®

tested property
test method
service no.
tested property
test method

fire resistance
EN 1366-3
0144
smoke resistance
EN 1634-3



cables in trays + ladders

cable specs	group	assembly Cu (mm ²) max.	service specs (steel)	EI	constructive element ¹⁾	Firetect joint seal width (mm)	application 1 or 2 sides	max. opening in construction	Firetect fire board type 2S 50 mm 1 or 2 sides	finish required	support distance ²⁾ service
trays, perforated + non-perforated											
cables only											
group 1 - small sheathed ≤ Ø 21mm group 4 - data + fibre optic		1806	≤ 350 x 60 mm	EI 90	rigid walls ≥ 150 mm	-	-	450 x 200 mm	1 side	200 LI * unexp. side	500 mm
group 1 - small sheathed ≤ Ø 21mm		524	≤ 150 x 25 mm	EI 180	rigid walls ≥ 150 mm	40 mm	2 sides	200 x 100 mm	-	RW	500 mm
cables + pipes (mixed configuration)											
group 1 - small sheathed ≤ Ø 21mm group 2 - medium sheathed ≤ Ø 50mm group 3 - large sheathed ≤ Ø 80mm group 4 - data + fibre optic ≤ Ø 100mm group 5 - non-sheathed ≤ Ø 23mm plastic or steel conduits ≤ Ø 16mm		15707	≤ 500 x 60 mm	EI 60 EI 60	flexible walls ≥ 100 mm rigid floors ≥ 150 mm	5 mm 5 mm	2 sides 2 sides	600 x 1200 mm + 25% 600 x 5000 mm	2 sides 2 sides	- -	500 mm 250 + 400 mm
cable ladders											
cables only											
group 4 - data + fibre optic		2781	≤ 350 x 60 mm	EI 120	rigid walls ≥ 150 mm	-	-	450 x 200 mm	1 side	200 LI * 2 sides	500 mm
group 1 - small sheathed ≤ Ø 21mm group 2 - medium sheathed ≤ Ø 50mm		780	≤ 300 x 60 mm	EI 180	rigid floors ≥ 150 mm	-	-	400 x 200 mm	2 sides	-	400 mm
cables + pipes (mixed configuration)											
group 1 - small sheathed ≤ Ø 21mm group 2 - medium sheathed ≤ Ø 50mm group 3 - large sheathed ≤ Ø 80mm group 4 - data + fibre optic ≤ Ø 100mm group 5 - non-sheathed ≤ Ø 23mm plastic or steel conduits ≤ Ø 16mm		15707	≤ 500 x 60 mm	EI 60 EI 60	flexible walls ≥ 100 mm rigid floors ≥ 150 mm	5 mm 5 mm	2 sides 2 sides	600 x 1200 mm + 25% 600 x 5000 mm	2 sides 2 sides	- -	500 mm 250 + 400 mm

in PA board 2S 50 mm

¹⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period. EI for flexible walls ≥100mm is also applicable for rigid walls ≥100mm!

²⁾ Penetration services (cable trays etc.) must be supported.