



principle detail

Firetect®

tested property
test method
service no.
tested property
test method

fire resistance
EN 1366-3
EI 15
smoke resistance
EN 1634-3
NEN 6075

cables in trays + ladders + wire mesh

cable specs	group	assembly Cu (mm ²) type max.	service specs (steel)	EI	constructive element ¹⁾	Acrylic sealant			PA board		
						Firetect joint seal width (mm)	application 1 or 2 sides	max. opening in construction	Firetect gap seal type 2S 50 mm 1 or 2 sides	finish required	support distance ²⁾ service
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		29647	(perforated) cable tray ≤ 500 x 60 mm cable ladders ≤ 300 x 60 mm	EI 60 EI 30 EI 30 EI 60	flexible walls ≥ 100 mm flexible walls ≥ 100 mm rigid walls ≥ 100 mm rigid floors ≥ 150 mm	5 mm 5 mm 5 mm 5 mm	2 sides 2 sides 2 sides 2 sides	600 x 1200 mm 600 x 1200 mm 600 x 1200 mm 600 x 5000 mm	2 sides 2 sides 1 side 2 sides	- - - -	250 + 500 mm 500 mm 500 mm 250 + 400 mm
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	(perforated) cable tray ≤ 500 x 60 mm cable ladders ≤ 300 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
group 1 - small sheathed ≤ Ø 21mm group 2 - medium sheathed ≤ Ø 50mm group 4 - data + fibre optic		6093	wire mesh cable tray ≤ 600 x 105 mm	EI 60	flexible walls ≥ 100 mm no trimming, no wall insulation for 100mm perimeter	5 mm	2 sides	730 x 230 mm	2 sides	-	250 + 500 mm
group 1 - small sheathed ≤ Ø 21mm group 4 - data + fibre optic		6374	wire mesh cable tray ≤ 600 x 60 mm	EI 60	rigid floors ≥ 150 mm	5 mm	2 sides	600 x 800 mm	2 sides	-	400 mm
group 4 - data + fibre optic		6401	wire mesh cable tray ≤ 600 x 55 mm	EI 90	flexible walls ≥ 100 mm no trimming, no wall insulation for 100mm perimeter	5 mm	2 sides	660 x 120 mm	2 sides	-	250 + 500 mm
group 1 - small sheathed ≤ Ø 21mm group 4 - data + fibre optic		12619	(perforated) cable tray ≤ 600 x 50 mm	EI 60 EI 120	flexible walls ≥ 100 mm flexible walls ≥ 100 mm	10 mm 10 mm	2 sides 2 sides	620 x 70 mm 620 x 70 mm	- 1 side	- -	500 mm 500 mm
group 1 - small sheathed ≤ Ø 21mm group 4 - data + fibre optic		1806	(perforated) cable tray ≤ 350 x 60 mm	EI 90	rigid walls ≥ 150 mm	-	-	450 x 200 mm	1 side	200 LI * unexp. side	500 mm
group 4 - data + fibre optic		2781	cable ladder ≤ 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	cable ladder ≤ 300 x 60 mm	EI 180	rigid floors ≥ 150 mm	-	-	400 x 200 mm	2 sides	-	400 mm

in PA board 2S 50 mm

* PA coating, DFT 0,8mm

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.