



principle detail **Firetect®**

tested property fire resistance
 test method EN 1366-3
 service no. **16-6**

cables

Graphite sealant

bundle Ø (mm)	cable specs ¹⁾ group	conduit	assembly Cu (mm ²)	EI	constructive element ²⁾	Firetect joint seal		application 1 or 2 sides	backing required	max. opening in construction
						width	depth			
max.			max.							
Ø121	group 1 - small sheathed ≤ Ø 21mm	-	9309	EI 120	flexible walls ≥ 100 mm	30 mm	25 mm	2 sides	50 mm RW	Ø170
		PVC-U conduit *	730	EI 120	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	Ø110
		hdPE conduit	621	EI 120	flexible walls ≥ 100 mm	15 mm	25 mm	2 sides	-	Ø102
		PVC-U conduit *	487	EI 60	shaft walls ≥ 75 mm	10 mm	25 mm	2 sides	-	300 x 1200 mm
		hdPE conduit	621	EI 120	flexible ceilings ≥ 150 mm	15 mm	25 mm	2 sides	-	Ø102
		PP-MD conduit *	487	EI 240	rigid floors ≥ 150 mm	-	40 mm	2 sides	-	Ø110
		hdPE conduit	621	EI 120	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	Ø102
Ø121	group 2 - medium sheathed ≤ Ø 50mm	hdPE conduit	621	EI 120	flexible walls ≥ 100 mm	15 mm	25 mm	2 sides	-	Ø102
		hdPE conduit	621	EI 120	flexible ceilings ≥ 150 mm	15 mm	25 mm	2 sides	-	Ø102
		hdPE conduit	621	EI 120	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	Ø102

in PA board 2S 50 mm

* Both rigid + corrugated conduits. 'Eccentric to zero' position in opening is allowed.

¹⁾ Penetration services must be supported; support distance ≤ 500mm (wall) or ≤ 400mm (floor).

²⁾ 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!