Electrical parameters -
BiTflame®S FE180/E90, BiTflame®S(St) FE180/E90

cross-section	Max. L/R ratio	Core-core capacitance	Core-screen capacitance
mm^2	μH/Ω	pF/m	pF/m
1	25	100	175
1,5	40	102	180
2,5	50	115	205

Current-carrying capacity

Ambient temperature 30 °C

Current-carrying capacity and correction factors acc. PN-IEC60364-5-523:2001

Cores cross-section [mm^2]	cables laid directly on the grips	
	2-cores cables AC single-phase and DC circuits	2 and 4-core cables three-phase circuits
	Current rating	Current rating
	[A]	[A]
1,0	19	17
1,5	24	22
2,5	33	30
4,0	45	40

Cores cross-section [mm^2]	Cables laid in insulated tubes in walls or ceilings and in cable ducts	
	2-cores cables AC single-phase and DC circuits	2 and 4-core cables three-phase circuits
	Current rating	Current rating
	[A]	[A]
1,0	14,5	13
1,5	18,5	16,5
2,5	25	22
4,0	33	30

Correction factors for different ambient temperature

Ambient temperature [°C]	30	35	40	45	50	55	60	65	70	75	80
Correction factor	1,00	0,96	0,91	0,87	0,82	0,76	0,71	0,65	0,58	0,50	0,41