

FP - FIREPROOF CABLES

Flame resistant, halogen-free, screened cables



Cable structure

- Copper bare or stranded conductor depending on cross-section
- Halogen-free core insulation
- Earthing conductor – tinned Copper conductor to BS 6360
- Electrostatic screening of laminated Al-PET foil
- Outer sheath of halogen-free compound, flame-retardant
- Sheath color red

Core color coding

- 2-core cable: brown/blue
- 3-core cable: brown/black/grey
- 4-core cable: brown/black/grey/blue
- 7-cores and more: cores with numbering

Tests

- Insulation integrity under direct flame propagation according to IEC 60331, EN 50200, BS 6387 CWZ
- Flame test to IEC 60332-3&1, EN 50266-2, BS 4066 PT3, BS 5839-1:2003
- Smoke density to IEC 61034, EN 50268, BS 7622
- Halogen-free to IEC 60754, EN 50267, BS 6425
- Low corrosiveness of combustion gases to IEC 60754, EN 50267, BS 6425

Application

These flame-resistant cables are used for all locations where a special protection against fire and fire damage is necessary for human life and equipment in industry complexes, power stations, public buildings, hotels, airports, subways, theatres, hospitals etc. Due to low capacity in relation of core/core to core-screening, this cable is suitable for electrical circuits of lagre systems where low capacity of electrical circuits when installing large lengths of cables is important.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EE
Conforms to RoHS.

Technical data

- **Nominal voltage** U_0/U 300/500 V
- **Test voltage a.c.** core/core 500 V
core/screening 2000 V
- **Minimum bending radius** approx. 6× cable diameter
- **Temperature range** from -10 °C to +80 °C

Part No.	Number of cores × core cross section [mm ²]	Cable structure		Approx. outer Ø approx. [mm]		Current carrying capacity [A]	Approx. cable weight [kg/km]
		Cable core structure	Number of cores	Min. (mm)	Max. (mm)		
055290011	FP 2×1	1 / 1,13	2 + PE	6,9	8,0	15,0	90
05529001	FP 2×1,5	1 / 1,38	2 + PE	7,3	8,5	19,5	100
05529011	FP 2×2,5	7 / 0,67	2 + PE	9,2	10,6	27,0	150
05529021	FP 2×4	7 / 0,85	2 + PE	10,5	12,1	36,0	220
055290511	FP 3×1	1 / 1,13	3 + PE	7,3	8,5	13,5	110
05529051	FP 3×1,5	1 / 1,38	3 + PE	7,8	9,0	17,5	120
05529061	FP 3×2,5	7 / 0,67	3 + PE	9,8	11,3	24,5	190
05529071	FP 3×4	7 / 0,85	3 + PE	11,2	13,0	32,0	280
055292011	FP 4×1	1 / 1,13	4 + PE	8,2	9,5	13,5	130
05529201	FP 4×1,5	1 / 1,38	4 + PE	8,7	10,0	17,5	150
05529211	FP 4×2,5	7 / 0,67	4 + PE	10,9	12,5	24,0	230
05529221	FP 4×4	7 / 0,85	4 + PE	12,4	14,2	32,0	340
055293511	FP 7×1	1 / 1,13	7 + PE	9,7	11,2	8,5	170
05529351	FP 7×1,5	1 / 1,38	7 + PE	10,5	12,1	11,0	230
05529361	FP 7×2,5	7 / 0,67	7 + PE	13,0	15,0	15,0	330
05529391	FP 12×1,5	1 / 1,38	12 + PE	13,9	16,0	9,0	370
05529401	FP 12×2,5	7 / 0,67	12 + PE	17,5	20,0	12,5	650
055294111	FP 19×1,5	1 / 1,38	19 + PE	16,9	19,0	8,0	530
055294211	FP 19×2,5	7 / 0,67	19 + PE	20,5	23,5	11,0	870