



FIRE ALARM SIGNAL CIRCUIT CABLE

FPL / BS fire alarm cable references

8 orderable sizes

STANDARD FPL / BS fire alarm cable references	VOLTAGE CLASS 300 V fire alarm signal circuit	CONDUCTOR Solid or stranded copper conductor
INSULATION / JACKET Red PVC or LSZH jacket		

Construction

- 1 ■ **Conductor (per core)** – 12 AWG / 3.31 mm² · 1 × Ø2.05 mm · IEC 60228 cl.1
- 2 ■ **Core insulation** – PVC or LSZH insulation
- 3 ■ **Filler** – PP filler
- 4 ■ **Shield** – Foil shield (B)
- 5 ■ **Sheath** – Red PVC or LSZH jacket

Size selection — all available cross-sections

Cable reference	Application	Cable design	Conductor size	Conductor construction	Max DC resistance at 20 °C	Electrical reference	Screen / protection	Jacket	OD guide
Fire Alarm Signal Cable 2C 18 AWG	Fire alarm detection and monitor loop	2 core	18 AWG / 0.82 mm ²	16/30 AWG	21.0 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	4.9 mm
Fire Alarm Signal Cable 2C 16 AWG	Fire alarm detection and monitor loop	2 core	16 AWG / 1.31 mm ²	26/30 AWG	13.2 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	5.3 mm
Fire Alarm Signal Cable 2C 14 AWG	Fire alarm detection and monitor loop	2 core	14 AWG / 2.08 mm ²	41/30 AWG	8.29 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	5.6 mm
Fire Alarm Signal Cable 2C 12 AWG	Fire alarm detection and monitor loop	2 core	12 AWG / 3.31 mm ²	65/30 AWG	5.21 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	6.0 mm
Fire Alarm Signal Cable 4C 18 AWG	Fire alarm detection and monitor loop	4 core	18 AWG / 0.82 mm ²	16/30 AWG	21.0 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	6.4 mm

Cable reference	Application	Cable design	Conductor size	Conductor construction	Max DC resistance at 20 °C	Electrical reference	Screen / protection	Jacket	OD guide
Fire Alarm Signal Cable 4C 16 AWG	Fire alarm detection and monitor loop	4 core	16 AWG / 1.31 mm ²	26/30 AWG	13.2 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	7.0 mm
Fire Alarm Signal Cable 4C 14 AWG	Fire alarm detection and monitor loop	4 core	14 AWG / 2.08 mm ²	41/30 AWG	8.29 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	7.5 mm
Fire Alarm Signal Cable 4C 12 AWG	Fire alarm detection and monitor loop	4 core	12 AWG / 3.31 mm ²	65/30 AWG	5.21 Ω/km	95 pF/m nominal conductor-to-conductor	Optional foil screen with drain wire	Red PVC or LSZH jacket	8.0 mm