



BRITISH SHIPWIRING CABLE

BS 6883

18 orderable sizes

STANDARD BS 6883	VOLTAGE CLASS Up to 8.7/15 kV depending on construction	CONDUCTOR Tinned copper conductor
INSULATION / JACKET SHF1, SHF2 or oil-resistant compound		

Construction

- 1 ■ Conductor (per core) – 0.75 mm² · 24 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ Pair insulation – EPR, XLPE or HEPR
- 3 ■ Filler – Bedding / filler
- 4 ■ Overall screen (OS) – Al/polyester foil + drain
- 5 ■ Sheath – SHF1, SHF2 or oil-resistant compound

Size selection — all available cross-sections

Cable reference	Circuit type	Core / pair design	Conductor size	Voltage class	Fire / mud behavior	OD guide
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 1 pair 0.75 mm ²	Instrumentation	1 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	15 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 1 pair 1.0 mm ²	Instrumentation	1 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	15 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 1 pair 1.5 mm ²	Instrumentation	1 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	16 mm

Cable reference	Circuit type	Core / pair design	Conductor size	Voltage class	Fire / mud behavior	OD guide
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 2 pair 0.75 mm ²	Instrumentation	2 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	16 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 2 pair 1.0 mm ²	Instrumentation	2 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	17 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 2 pair 1.5 mm ²	Instrumentation	2 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	17 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 4 pair 0.75 mm ²	Instrumentation	4 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	19 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 4 pair 1.0 mm ²	Instrumentation	4 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	19 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 4 pair 1.5 mm ²	Instrumentation	4 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	20 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 8 pair 0.75 mm ²	Instrumentation	8 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	24 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 8 pair 1.0 mm ²	Instrumentation	8 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	25 mm
BS 6883 shipwiring cable Instrumentation	Instrumentation	8 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke	25 mm

Cable reference	Circuit type	Core / pair design	Conductor size	Voltage class	Fire / mud behavior	OD guide
Up to 8.7/15 kV depending on construction 8 pair 1.5 mm ²				construction	halogen-free sheath options	
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 12 pair 0.75 mm ²	Instrumentation	12 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	29 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 12 pair 1.0 mm ²	Instrumentation	12 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	30 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 12 pair 1.5 mm ²	Instrumentation	12 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	30 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 24 pair 0.75 mm ²	Instrumentation	24 pair	0.75 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	45 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 24 pair 1.0 mm ²	Instrumentation	24 pair	1.0 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	45 mm
BS 6883 shipwiring cable Instrumentation Up to 8.7/15 kV depending on construction 24 pair 1.5 mm ²	Instrumentation	24 pair	1.5 mm ²	Up to 8.7/15 kV depending on construction	Flame retardant and low smoke halogen-free sheath options	46 mm