



FIRE RESISTANT OFFSHORE CABLE

BS 7917

18 orderable sizes

STANDARD BS 7917	VOLTAGE CLASS 150/250 V to 0.6/1 kV and customer-specified ratings	CONDUCTOR Tinned copper conductor
INSULATION / JACKET SHF1, SHF2 or mud-resistant compound		

Construction

- 1 ■ **Conductor (per core)** – 0.75 mm² · 24 × Ø0.2 mm · IEC 60228 c1.5
- 2 ■ **Pair insulation** – Mica fire barrier with EPR, XLPE or HEPR insulation
- 3 ■ **Filler** – Bedding / filler
- 4 ■ **Overall screen (OS)** – Al/polyester foil + drain
- 5 ■ **Sheath** – SHF1, SHF2 or mud-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 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 1 pair 0.75 mm ²	Instrumentation	1 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	15 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 1 pair 1.0 mm ²	Instrumentation	1 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	15 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 1 pair 1.5 mm ²	Instrumentation	1 pair	1.5 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	16 mm

Cable reference	Circuit type	Core / pair design	Conductor size	Voltage class	Fire / mud behavior	OD guide
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 2 pair 0.75 mm ²	Instrumentation	2 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	16 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 2 pair 1.0 mm ²	Instrumentation	2 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	17 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 2 pair 1.5 mm ²	Instrumentation	2 pair	1.5 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	17 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 4 pair 0.75 mm ²	Instrumentation	4 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	19 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 4 pair 1.0 mm ²	Instrumentation	4 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	19 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 4 pair 1.5 mm ²	Instrumentation	4 pair	1.5 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	20 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 8 pair 0.75 mm ²	Instrumentation	8 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	24 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 8 pair 1.0 mm ²	Instrumentation	8 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	25 mm
BS 7917 fire resistant offshore cable	Instrumentation	8 pair	1.5 mm ²	150/250 V to 0.6/1 kV and	Fire resistant circuit	25 mm

Cable reference	Circuit type	Core / pair design	Conductor size	Voltage class	Fire / mud behavior	OD guide
Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 8 pair 1.5 mm ²				customer-specified ratings	integrity construction	
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 12 pair 0.75 mm ²	Instrumentation	12 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	29 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 12 pair 1.0 mm ²	Instrumentation	12 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	30 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 12 pair 1.5 mm ²	Instrumentation	12 pair	1.5 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	30 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 24 pair 0.75 mm ²	Instrumentation	24 pair	0.75 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	45 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 24 pair 1.0 mm ²	Instrumentation	24 pair	1.0 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	45 mm
BS 7917 fire resistant offshore cable Instrumentation 150/250 V to 0.6/1 kV and customer-specified ratings 24 pair 1.5 mm ²	Instrumentation	24 pair	1.5 mm ²	150/250 V to 0.6/1 kV and customer-specified ratings	Fire resistant circuit integrity construction	46 mm