



NAVAL DEFENCE CABLE

Defence naval cable reference

16 orderable sizes

STANDARD Defence naval cable reference	VOLTAGE CLASS 300/500 V or 0.6/1 kV	CONDUCTOR Tinned copper conductor
INSULATION / JACKET HFFR naval outer sheath		

Construction

- 1 ■ Conductor (per core) – Tinned copper conductor · 32 × Ø0.2 mm · IEC 60228 cl.5
- 2 ■ Core insulation – HFFR naval insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Bedding – PVC bedding
- 6 ■ Armour – Galvanised steel wire armour (SWA)
- 7 ■ Sheath – HFFR naval outer sheath

Size selection – all available cross-sections

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 2 core HFFR naval cable 1.0 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	2 core HFFR naval cable	1.0 mm ²	18.5 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	14.3 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 2 core HFFR naval cable 1.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	2 core HFFR naval cable	1.5 mm ²	13.3 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	14.7 mm
Naval defence HFFR cable Naval control, communication and equipment power	Naval control, communication	Surface ship and naval equipment	2 core HFFR naval cable	2.5 mm ²	7.98 Ω/km conductor resistance	Optional collective screen or	HFFR, salt-mist, oil and shipboard	15.4 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
Surface ship and naval equipment 2 core HFFR naval cable 2.5 mm ²	and equipment power					braid armour	vibration duty	
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 2 core HFFR naval cable 4 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	2 core HFFR naval cable	4 mm ²	4.95 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	16.2 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 4 core HFFR naval cable 1.0 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	4 core HFFR naval cable	1.0 mm ²	18.5 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	15.1 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 4 core HFFR naval cable 1.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	4 core HFFR naval cable	1.5 mm ²	13.3 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	15.5 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 4 core HFFR naval cable 2.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	4 core HFFR naval cable	2.5 mm ²	7.98 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	16.2 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 4 core HFFR naval cable 4 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	4 core HFFR naval cable	4 mm ²	4.95 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	17.0 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 7 core HFFR naval cable 1.0 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	7 core HFFR naval cable	1.0 mm ²	18.5 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt-mist, oil and shipboard vibration duty	16.0 mm
Naval defence HFFR cable Naval control, communication and	Naval control, communication	Surface ship and	7 core HFFR	1.5 mm ²	13.3 Ω/km conductor resistance	Optional collective screen or	HFFR, salt-mist, oil and	16.5 mm

Cable reference	Mission duty	Platform	Cable design	Conductor / fibre	Electrical reference	Shield / protection	Environment class	OD guide
equipment power Surface ship and naval equipment 7 core HFFR naval cable 1.5 mm ²	and equipment power	naval equipment	naval cable			braid armour	shipboard vibration duty	
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 7 core HFFR naval cable 2.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	7 core HFFR naval cable	2.5 mm ²	7.98 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	17.1 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 7 core HFFR naval cable 4 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	7 core HFFR naval cable	4 mm ²	4.95 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	17.9 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 12 core HFFR naval cable 1.0 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	12 core HFFR naval cable	1.0 mm ²	18.5 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	17.2 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 12 core HFFR naval cable 1.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	12 core HFFR naval cable	1.5 mm ²	13.3 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	17.6 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 12 core HFFR naval cable 2.5 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	12 core HFFR naval cable	2.5 mm ²	7.98 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	18.3 mm
Naval defence HFFR cable Naval control, communication and equipment power Surface ship and naval equipment 12 core HFFR naval cable 4 mm ²	Naval control, communication and equipment power	Surface ship and naval equipment	12 core HFFR naval cable	4 mm ²	4.95 Ω/km conductor resistance	Optional collective screen or braid armour	HFFR, salt- mist, oil and shipboard vibration duty	19.1 mm