



FIRE RESISTANT OFFSHORE POWER/CONTROL CABLE

NEK 606

25 orderable sizes

STANDARD NEK 606	VOLTAGE CLASS 0.6/1 kV	CONDUCTOR 1.5 mm², 2.5 mm², 4 mm², 6 mm², 10 mm²
INSULATION / JACKET SHF2 mud resistant offshore sheath		

Construction

- 1 **Conductor (per core)** – Plain or tinned copper conductor · 50 × Ø0.25 mm · IEC 60228 cl.5
- 2 **Core insulation** – XLPE, EPR or fire resistant insulation
- 3 **Filler** – PP filler
- 4 **Shield** – Braid shield (C)
- 5 **Bedding** – PVC bedding
- 6 **Armour** – Galvanised steel wire armour (SWA)
- 7 **Sheath** – SHF2 mud resistant offshore sheath

Size selection – all available cross-sections

Cable reference	Service package	Standard	Cable design	Voltage / signal class	Pair / core design	Conductor / fibre	Screen / protection	Fire and safety rating	Oil, mud and environment	Sheath	Electrical / optical reference	OD guide
BF0U Fire Resistant Power Control 0.6/1 kV 3 core 1.5 mm ² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	3 core	1.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	21.9 mm
BF0U Fire Resistant Power Control 0.6/1 kV 3 core 2.5 mm ² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	3 core	2.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	22.5 mm
BF0U Fire Resistant Power Control 0.6/1 kV 3 core 4 mm ² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	3 core	4 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	23.1 mm
BF0U Fire Resistant Power Control 0.6/1 kV 3 core 6 mm ² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	3 core	6 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	23.9 mm
BF0U Fire Resistant Power Control 0.6/1 kV 3 core 10 mm ² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	3 core	10 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	25.0 mm

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								halogen free				
BF0U Fire Resistant Power Control 0.6/1 kV 4 core 1.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	4 core	1.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	22.3 mm
BF0U Fire Resistant Power Control 0.6/1 kV 4 core 2.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	4 core	2.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	22.8 mm
BF0U Fire Resistant Power Control 0.6/1 kV 4 core 4 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	4 core	4 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	23.5 mm
BF0U Fire Resistant Power Control 0.6/1 kV 4 core 6 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	4 core	6 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	24.2 mm
BF0U Fire Resistant Power Control 0.6/1 kV 4 core 10 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	4 core	10 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	25.4 mm
BF0U Fire Resistant Power Control 0.6/1 kV 7 core 1.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	7 core	1.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	23.1 mm
BF0U Fire Resistant Power Control 0.6/1 kV 7 core 2.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	7 core	2.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	23.7 mm
BF0U Fire Resistant Power Control 0.6/1 kV 7 core 4 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	7 core	4 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	24.4 mm
BF0U Fire Resistant Power Control 0.6/1 kV 7 core 6 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	7 core	6 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	25.1 mm

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BF0U Fire Resistant Power Control 0.6/1 kV 7 core 10 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	7 core	10 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	26.2 mm
BF0U Fire Resistant Power Control 0.6/1 kV 12 core 1.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	12 core	1.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	24.2 mm
BF0U Fire Resistant Power Control 0.6/1 kV 12 core 2.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	12 core	2.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	24.8 mm
BF0U Fire Resistant Power Control 0.6/1 kV 12 core 4 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	12 core	4 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	25.5 mm
BF0U Fire Resistant Power Control 0.6/1 kV 12 core 6 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	12 core	6 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	26.2 mm
BF0U Fire Resistant Power Control 0.6/1 kV 12 core 10 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	12 core	10 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	27.3 mm
BF0U Fire Resistant Power Control 0.6/1 kV 19 core 1.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	19 core	1.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	25.4 mm
BF0U Fire Resistant Power Control 0.6/1 kV 19 core 2.5 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	19 core	2.5 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	26.0 mm
BF0U Fire Resistant Power Control 0.6/1 kV 19 core 4 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	19 core	4 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	26.7 mm

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BF0U Fire Resistant Power Control 0.6/1 kV 19 core 6 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	19 core	6 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	27.4 mm
BF0U Fire Resistant Power Control 0.6/1 kV 19 core 10 mm² SHF2 mud resistant offshore sheath	Fire resistant offshore power and control package	NEK 606	BF0U fire resistant power and control cable	0.6/1 kV	19 core	10 mm ²	Braid armour or offshore mechanical protection	Circuit integrity fire resistant, low smoke and halogen free	Offshore emergency, safety and critical power routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	28.5 mm