



MUD RESISTANT FLAME RETARDANT OFFSHORE CABLE

NEK 606

25 orderable sizes

STANDARD <b>NEK 606</b>	VOLTAGE CLASS <b>0.6/1 kV</b>	CONDUCTOR <b>1.5 mm<sup>2</sup>, 2.5 mm<sup>2</sup>, 4 mm<sup>2</sup>, 6 mm<sup>2</sup>, 10 mm<sup>2</sup></b>
INSULATION / JACKET <b>SHF2 mud resistant offshore sheath</b>		

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
RF0U LV Power Control 0.6/1 kV 3 core 1.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	3 core	1.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	21.9 mm
RF0U LV Power Control 0.6/1 kV 3 core 2.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	3 core	2.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	22.5 mm
RF0U LV Power Control 0.6/1 kV 3 core 4 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	3 core	4 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	23.1 mm
RF0U LV Power Control 0.6/1 kV 3 core 6 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	3 core	6 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	23.9 mm
RF0U LV Power Control 0.6/1 kV 3 core 10 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	3 core	10 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	25.0 mm
RF0U LV Power Control 0.6/1 kV 4 core	Offshore low-	NEK 606	RF0U flame	0.6/1 kV	4 core	1.5 mm <sup>2</sup>	Braid armour or	Flame retardant,	Offshore platforms,	SHF2 mud resistant	12.1 Ω/km max	22.3 mm

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
1.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	voltage power and control package		retardant power and control cable				offshore mechanical protection	low smoke and halogen free	FPS0 modules and mud-exposed routes	offshore sheath		
RF0U LV Power Control 0.6/1 kV 4 core 2.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	4 core	2.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	22.8 mm
RF0U LV Power Control 0.6/1 kV 4 core 4 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	4 core	4 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	23.5 mm
RF0U LV Power Control 0.6/1 kV 4 core 6 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	4 core	6 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	24.2 mm
RF0U LV Power Control 0.6/1 kV 4 core 10 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	4 core	10 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	25.4 mm
RF0U LV Power Control 0.6/1 kV 7 core 1.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	7 core	1.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	23.1 mm
RF0U LV Power Control 0.6/1 kV 7 core 2.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	7 core	2.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	23.7 mm
RF0U LV Power Control 0.6/1 kV 7 core 4 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	7 core	4 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	24.4 mm
RF0U LV Power Control 0.6/1 kV 7 core 6 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	7 core	6 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	25.1 mm
RF0U LV Power Control 0.6/1 kV 7 core 10 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	7 core	10 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	26.2 mm
RF0U LV Power Control 0.6/1 kV 12 core 1.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	12 core	1.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPS0 modules and mud-exposed routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	24.2 mm

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
resistant offshore sheath	and control package		control cable				mechanical protection	halogen free	mud-exposed routes			
RF0U LV Power Control 0.6/1 kV 12 core 2.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	12 core	2.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	24.8 mm
RF0U LV Power Control 0.6/1 kV 12 core 4 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	12 core	4 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	25.5 mm
RF0U LV Power Control 0.6/1 kV 12 core 6 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	12 core	6 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	26.2 mm
RF0U LV Power Control 0.6/1 kV 12 core 10 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	12 core	10 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	27.3 mm
RF0U LV Power Control 0.6/1 kV 19 core 1.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	19 core	1.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	12.1 Ω/km max	25.4 mm
RF0U LV Power Control 0.6/1 kV 19 core 2.5 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	19 core	2.5 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	7.41 Ω/km max	26.0 mm
RF0U LV Power Control 0.6/1 kV 19 core 4 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	19 core	4 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	4.61 Ω/km max	26.7 mm
RF0U LV Power Control 0.6/1 kV 19 core 6 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	19 core	6 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	3.08 Ω/km max	27.4 mm
RF0U LV Power Control 0.6/1 kV 19 core 10 mm <sup>2</sup> SHF2 mud resistant offshore sheath	Offshore low-voltage power and control package	NEK 606	RF0U flame retardant power and control cable	0.6/1 kV	19 core	10 mm <sup>2</sup>	Braid armour or offshore mechanical protection	Flame retardant, low smoke and halogen free	Offshore platforms, FPSO modules and mud-exposed routes	SHF2 mud resistant offshore sheath	1.83 Ω/km max	28.5 mm