



DRIVE AND MOTOR CABLE FOR OFFSHORE PACKAGES

NEK 606 / IEC 60502

24 orderable sizes

STANDARD NEK 606 / IEC 60502	VOLTAGE CLASS 0.6/1 kV, 1.8/3 kV	CONDUCTOR 4 mm², 6 mm², 10 mm², 16 mm², 25 mm², 35 mm²
INSULATION / JACKET Oil and mud resistant SHF2 sheath		

Construction

- 1 ■ Conductor (per core) – Plain or tinned copper conductor · 80 × Ø0.4 mm · IEC 60228 cl.5
- 2 ■ Core insulation – XLPE, EPR or fire resistant insulation
- 3 ■ Filler – PP filler
- 4 ■ Shield – Braid shield (C)
- 5 ■ Sheath – Oil and mud resistant SHF2 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
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 4 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	4 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	4.61 Ω/km max	23.1 mm
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 6 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	6 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	3.08 Ω/km max	23.9 mm
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 10 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	10 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	1.83 Ω/km max	25.0 mm
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 16 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	16 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	1.15 Ω/km max	26.3 mm
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 25 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	25 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	0.727 Ω/km max	27.9 mm
Offshore VFD EMC Drive 0.6/1 kV 3 core + 3 symmetrical grounds 35 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	3 core + 3 symmetrical grounds	35 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	0.524 Ω/km max	29.4 mm

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Offshore VFD EMC Drive 0.6/1 kV 4 core VFD 6 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	4 core VFD	6 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	3.08 Ω/km max	33.2 mm
Offshore VFD EMC Drive 0.6/1 kV 4 core VFD 10 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	4 core VFD	10 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	1.83 Ω/km max	34.4 mm
Offshore VFD EMC Drive 0.6/1 kV 4 core VFD 16 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	4 core VFD	16 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	1.15 Ω/km max	35.7 mm
Offshore VFD EMC Drive 0.6/1 kV 4 core VFD 25 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	4 core VFD	25 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	0.727 Ω/km max	37.3 mm
Offshore VFD EMC Drive 0.6/1 kV 4 core VFD 35 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	0.6/1 kV	4 core VFD	35 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	0.524 Ω/km max	38.8 mm
Offshore VFD EMC Drive 1.8/3 kV 3 core + 3 symmetrical grounds 4 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	1.8/3 kV	3 core + 3 symmetrical grounds	4 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	4.61 Ω/km max	23.1 mm
Offshore VFD EMC Drive 1.8/3 kV 3 core + 3 symmetrical grounds 6 mm ² Oil and mud resistant SHF2 sheath	Variable frequency drive motor package	NEK 606 / IEC 60502	EMC screened VFD drive cable	1.8/3 kV	3 core + 3 symmetrical grounds	6 mm ²	Low impedance copper tape and braid EMC screen	Flame retardant, low smoke and halogen free	Offshore drives, pumps, compressors and motor-control routes	Oil and mud resistant SHF2 sheath	3.08 Ω/km max	23.9 mm
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