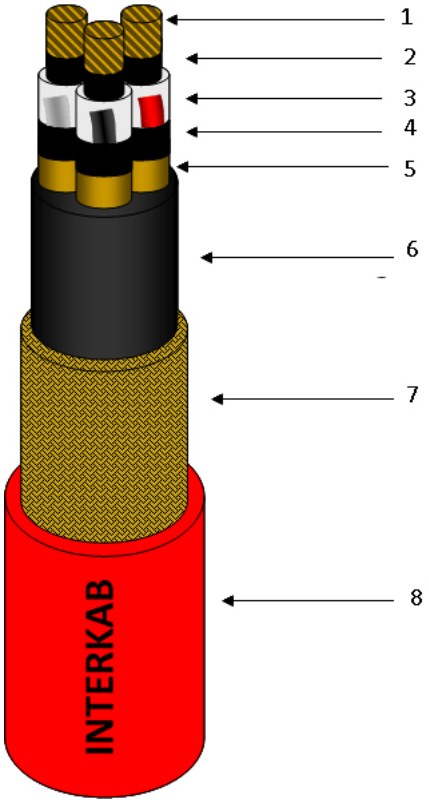
INTERKAB

BS6883 NEK606 IEEE IEC

6/10kV
Flame Retardant

Medium Voltage Power Cables to NEK606 Specification

RFOU Power Cables, Multi Core, Armoured Cables:



Note: picture is for illustration purposes only

Applicable Standards

NEK 606
IEC 60092-354
IEC 60332 part 3 (Category A)
IEC 60332-1
IEC 60754-1
IEC 61034
Stranded class 2 or tinned annealed copper conductors to IEC60228

Application

Fixed installation for medium voltage (MV) power in both EX and safe areas, general purposes. For installation in areas exposed to MUD and drilling/cleaning fluids. Meets the MUD resistance requirement in NEK TS 606:2009

Conductor Identification

The individual cores shall be identified by the coloured semi-conducting tape or coloured ribbon tape run longitudinally on the non-metallic part of insulation screening and the colour scheme shall be as follows:

3 Cores: Off-White (grey), Black and Red

New harmonised core colours or project specified colours can be supplied upon special request.

Construction	Specifications
(1) Conductor:	Tinned, annealed stranded compacted copper conductor to IEC60228 Class 2 (Flexible Class 5 conductors available upon request)
(2) Conductor Screen:	Semi-conductive tape or extruded semi-conductive compound.
(3) Insulation:	EP-Rubber
(4) Insulation Screen:	Semi-conductive tape or extruded semi-conductive compound.
(5) Metallic Screen:	Tinned copper wire braid (If necessary, suitable tape may be applied on the braid)
(6) Bedding:	Flame retardant halogen free compound. PET Tape
(7) Armour:	Tinned copper wire braid. PET Tape
(8) Outer Sheath	SHF2 thermoset compound halogen-free & MUD reisistant low temperature (-40 Deg C) Red Outer Sheath Colour

INTERKAB House
Aberdeen, AB11 5DY
Tel: 0044 (0)1224 595 640
Fax: 0044 (0)1224 594 416
Email: info@interkab.com

FPAL empowered by Achilles Registered

ISO 9001 REGISTERED FIRM

Datasheet Ref: OFS-NK-PC-MV-FR

INTERKAB

6/10kV
Flame Retardant

Medium Voltage Power Cables to NEK606 Specification

RFOU Multi Core Armoured Cables

No. of Cores	Conductor			Thickness of Insulation	Thickness of inner covering	Nominal dia. Inner covering	Dia. Of wire for armour	Thickness of sheath	Overall diameter		Conductor Resistance (at 20°C) (Max.)	Insulation Resistance (at 20°C) (Min.)	Test Voltage	Current Carrying Capacity (Max.) (at 45°C)	Cable Weight
	Nominal Area	Strand	Dia.						Nominal	Tolerance					
No.	mm²	NO./ mm	mm	mm	mm	mm	mm	mm	mm	±mm	Ω / km	MΩ-km	V/5min.	A	kg/km
3	25	7 / 2.14	6.42	3.4	1.4	41.0	0.4	2.5	48.6	2.4	0.734	1,150	21	85	3,840
3	35	7 / 2.52	7.56	3.4	1.4	43.6	0.4	2.6	51.4	2.6	0.529	1,020	21	105	4,400
3	50	19 / 1.78	8.90	3.4	1.4	46.4	0.4	2.7	54.4	2.7	0.391	900	21	130	5,080
3	70	19 / 2.14	10.70	3.4	1.6	50.7	0.4	2.9	59.1	2.9	0.270	780	21	161	6,210
3	95	19 / 2.52	12.60	3.4	1.6	54.8	0.4	3.1	63.6	3.0	0.195	690	21	195	7,480
3	120	37 / 2.03	14.21	3.4	1.6	58.3	0.4	3.2	67.3	3.2	0.154	620	21	225	8,640
3	150	37 / 2.25	15.75	3.4	1.6	61.7	0.4	3.4	71.1	3.3	0.126	570	21	258	9,880
3	185	37 / 2.52	17.64	3.4	1.8	66.0	0.4	3.5	75.6	3.5	0.100	520	21	295	11,530
3	240	61 / 2.25	20.25	3.4	1.8	71.8	0.4	3.8	82.0	3.8	0.0762	460	21	347	14,020

INTERKAB House
Aberdeen, AB11 5DY
Tel: 0044 (0)1224 595 640
Fax: 0044 (0)1224 594 416
Email: info@interkab.com