



RU 0,6/1kV, Unarmoured power cable



Flame retardant halogen-free power cable. Enhanced oil-resistance.

RU 0,6/1kV

EPR/LSF

Operating temperature : 90°C
Operating Voltage : 0,6/1kV

Application

Unarmoured cables for fixed installation where cable protection is not required. Power, control and lighting in safe areas. For installation in areas exposed to MUD and drilling/cleaning fluids.

Standards applied

BS 6883	- Design
BS 6360 class 2	- Conductor
BS 7655 section 1.2	- Insulation
BS 7655 section 2.6	- Sheath
IEC 60332-1	- Flame Retardant
IEC 60332-3-22	- Flame Retardant
IEC 60754-1,2	- Halogen Free
IEC 61034-1,2	- Low Smoke

Construction

	Code Letter	
Conductor		Tinned stranded circular copper, BS 6360, class 2
Insulation	R	EP-rubber, GP4 to BS 7655: section 1.2
Lay up / Shielding		Cores laid up in concentric layers
Inner sheath		No innersheath. (Additional tapes may be applied)
Armour/screen		No armour.
Outer sheath	U	Flame retardant, halogen-free, enhanced oil-resisting and mud resistant thermoset compound (LSF), SW4 to BS 7655 section 2.6
Marking text		"meter" "year" DRAKA NORSK KABEL RU UKOOA TYPE 2C CODE WF203 600/1000V 2C x 2,5 mm ² BS 6883 IEC 60332-3-22
Outer sheath colour		Black

Core identification power cables

All cores are numbered Offwhite - Black numbers No.1, 2, 3



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Range and dimensions

Number of elements	Cross section core, mm ²	Conductor Diameter, mm	Insulation Thickness, mm	Thickness Outer Sheath, mm	Diameter outer sheath, mm	Weight of Cable Approx. (Kg/Km)	Copper content Approx. (kg/km)
2	1.5	1.6	0.8	1.1	8.5 ± 0.5	120	28
2	2.5	2.0	0.8	1.1	9.5 ± 0.5	150	46
3	1.5	1.6	0.8	1.1	9 ± 0.5	140	42
3	2.5	2.0	0.8	1.1	10 ± 0.8	180	69
3	4	2.55	1.0	1.2	12 ± 0.8	275	110
3	6	3.15	1.0	1.2	13.5 ± 0.8	360	164
4	1.5	1.6	0.8	1.1	10 ± 0.8	165	56
4	2.5	2.0	0.8	1.1	11 ± 0.8	220	92
3	10	4.05	1.0	1.3	15.5 ± 0.8	530	271
3	16	5.15	1.0	1.4	18 ± 0.8	770	434

Ordering information

Part number	Description	Sheath Colour	Design standard
840300	RU 0.6/1kV 2X 1.5mm ²	BLACK	BS 6883:1999
840301	RU 0.6/1kV 2X 2.5mm ²	BLACK	BS 6883:1999
840302	RU 0.6/1kV 3X 1.5mm ²	BLACK	BS 6883:1999
840303	RU 0.6/1kV 3X 2.5mm ²	BLACK	BS 6883:1999
840304	RU 0.6/1kV 3X 4mm ²	BLACK	BS 6883:1999
840305	RU 0.6/1kV 3X 6mm ²	BLACK	BS 6883:1999
840306	RU 0.6/1kV 4X 1.5mm ²	BLACK	BS 6883:1999
840307	RU 0.6/1kV 4X 2.5mm ²	BLACK	BS 6883:1999
840312	RU 0.6/1kV 3X 10mm ²	BLACK	BS 6883:1999
840313	RU 0.6/1kV 3X 16mm ²	BLACK	BS 6883:1999

Electrical values power cables

Number of elements	Cross section core, mm ²	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Reactance at 50Hz, Ohm/km	Reactance at 60Hz, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
2	1.5	12.2	15.6	0.103	0.123	20	210
2	2.5	7.56	9.64	0.096	0.115	26	350
3	1.5	12.2	15.6	0.103	0.123	16	210
3	2.5	7.56	9.64	0.096	0.115	21	350
3	4	4.7	5.90	0.096	0.115	28	560
3	6	3.11	3.97	0.090	0.108	36	840
4	1.5	12.2	15.6	0.103	0.123	16	210
4	2.5	7.56	9.64	0.096	0.115	21	350
3	10	1.84	2.35	0.084	0.101	50	1400
3	16	1.16	1.48	0.080	0.096	67	2240

Ambient temperature correction factors

Ambient Temp °C	35	40	45	50	55	60	65	70	75	80
Rating factor	1.11	1.05	1.00	0.94	0.88	0.82	0.75	0.67	0.50	0.47



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Installation recommendations

Minimum Bending Radius during Installation	Minimum Bending Radius Fixed Installed	Maximum Tensile Load During Installation	Minimum Installation Temperature
8 x D	OD < 25 mm - 4 x D, OD > 25 mm - 6 x D	50 N /mm ²	-20°C