



## RU 0,6/1kV Earthing cable

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

### RU 0,6/1kV

EPR/LSF



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

#### Application

Unarmoured cable for fixed installation for earthing purposes 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	
<b>Conductor</b>		Tinned stranded circular copper, BS 6360, class 2
<b>Insulation</b>	<b>R</b>	EP-rubber, GP4 to BS 7655: section 1.2
<b>Inner sheath</b>		No innersheath. (Additional tapes may be applied)
<b>Armour/screen</b>		No armour.
<b>Outer sheath</b>	<b>U</b>	Flame retardant, halogen-free, enhanced oil-resisting and mud resistant thermoset compound (LSF), SW4 to BS 7655 section 2.6
<b>Marking text</b>		"meter" "year" DRAKA NORSK KABEL RU UKOOA TYPE 1E CODE WE125 600/1000V 1E x 25 mm <sup>2</sup> BS 6883 IEC 60332-3-22
<b>Outer sheath colour</b>		Yellow/green

#### Core identification power cables

Single core                      Offwhite



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### Range and dimensions

Number of elements	Cross section core, mm <sup>2</sup>	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)
1	6	3.15	1.0	1	7.5 ± 0.5	115	55
1	16	5.15	1.0	1.1	9.5 ± 0.5	230	144
1	25	6.45	1.2	1.2	11.5 ± 0.8	340	229
1	35	7.65	1.2	1.2	12.5 ± 0.8	440	308
1	70	10.85	1.4	1.3	16.5 ± 0.8	820	620

### Ordering information

Part number	Description	Sheath Colour	Design standard
840080	RU 0.6/1kV 1X 6mm <sup>2</sup>	YELLOW/GREEN	BS 6883:1999
840081	RU 0.6/1kV 1X 16mm <sup>2</sup>	YELLOW/GREEN	BS 6883:1999
840082	RU 0.6/1kV 1X 25mm <sup>2</sup>	YELLOW/GREEN	BS 6883:1999
840083	RU 0.6/1kV 1X 35mm <sup>2</sup>	YELLOW/GREEN	BS 6883:1999
840084	RU 0.6/1kV 1X 70mm <sup>2</sup>	YELLOW/GREEN	BS 6883:1999

### Electrical values power cables

Number of elements	Cross section core, mm <sup>2</sup>	Max. conductor resistance at 20°C, Ohm/km	Max. conductor resistance at 90°C, Ohm/km	Current rating IEC 60092-352 Table B.4, Ampere	Short circuit rating 1 second, Ampere
1	6	3.11	3.97	52	840
1	16	1.16	1.48	96	2240
1	25	0.734	0.936	127	3500
1	35	0.529	0.675	157	4900
1	70	0.27	0.344	242	9800

### 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

### 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 <sup>2</sup>	-20°C