

UX M 1000V P15/P108 Earthing wire

Flame retardant conductors **UX M 1000V**



Halogen-free

NEK TS 606 Code P15/P108

Maximum operating
Conductor temperature : 90°C
Operating voltage : 1000V

Application

Insulated conductor for earthing and bonding services.
Meets the Oil & Mud resistance requirement in
NEK TS 606:2016.

Standards applied

IEC:60092-353 &	
NEK TS 606:2016	- Design guidelines
IEC:60228 class 2	- Conductor
IEC:60332-1	- Flame retardance
IEC:60332-3-22	- Flame retardance
IEC:60754-1,2	- Halogen-free properties
IEC:61034-1,2	- Smoke density

CONSTRUCTION

	CODE LETTER	
Conductor		Tinned, stranded copper, IEC 60228 class 2 PETP-tape.
Insulation	U	Flame retardant halogen-free thermoset compound, HF90 (IEC 60092-360).
Unsheathed	X	
Marking		E.g; "meter" "year/week" DRAKA 01 Part no. <SAP code> UX M 1000V P15/P108 1x 95 mm ² IEC 332-3-22 Production no. <Prod.ordre no.>
Colour		Yellow/green

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RANGE AND DIMENSIONS: UX M 1000V Insulated conductor, P15/P108

Conductor area (mm ²)	Conductor diameter approx. (mm)	Insulation thickness (mm)	Diameter over insulation (mm)	Weight of conductor approx. (kg/km)	Copper content approx. (kg/km)
6	3,1	1,0	5,0±0,5	78	54
10	4,0	1,0	6,0±0,5	115	87
16	5,05	1,0	7,0±0,5	173	140
25	6,3	1,2	9,0±0,5	270	220
35	7,4	1,2	10,0±0,8	365	302
50	8,75	1,4	12,0±0,8	500	411
70	10,6	1,4	13,5±0,8	710	608
95	12,35	1,6	15,5±0,8	950	820
120	14,0	1,6	17,5±0,8	1210	1060
150	15,4	1,8	19,5±0,8	1465	1284
185	17,3	2,0	21,5±1,0	1820	1596
240	19,85	2,2	24,5±1,0	2385	2105
300	22,25	2,4	27,0±1,0	2985	2644
400	26,0	2,6	31 ± 1,5	4080	3660
630	32,80	2,8	38,5±1,5	6350	5800

Electrical characteristics:

Conductor area (mm ²)	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 at 1 second, Ampere
6	3.11	3.97	52	840
10	1.84	2.35	72	1400
16	1.16	1.48	96	2240
25	0.734	0.936	127	3500
35	0.529	0.675	157	4900
50	0.391	0.499	196	7000
70	0.27	0.344	242	9800
95	0.195	0.249	293	13300
120	0.154	0.196	339	16800
150	0.126	0.161	389	21000
185	0.100	0.128	444	25900
240	0.0762	0.0972	522	33600
300	0.0607	0.0774	601	42000
400	0.0475	0.0606	690 dc / 670 ac	56000
630	0.0286	0.0359	890 dc / 780 ac	88200

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Installation recommendations:

In accordance with IEC 60092-352

Minimum bending radius		Maximum pulling tension	Minimum installation temperature
During installation	Fixed installed		
		25N x total	
8 x cable diameter	6 x cable diameter	cross section (mm ²) of conductors	- 20 °C

Ordering information:

New Part number	Old Part number	Description	EI-number (Norway only)
20109530		UX M 1000V 1x 6mm ² P15/P108 YE/GN	1045541
20109531		UX M 1000V 1x 10mm ² P15/P108 YE/GN	1045542
20109532		UX M 1000V 1x 16mm ² P15/P108 YE/GN	1045543
20109533		UX M 1000V 1x 25mm ² P15/P108 YE/GN	1045553
20109534		UX M 1000V 1x 35mm ² P15/P108 YE/GN	1045563
20109535		UX M 1000V 1x 50mm ² P15/P108 YE/GN	1045573
20109536		UX M 1000V 1x 70mm ² P15/P108 YE/GN	1045583
20109537		UX M 1000V 1x 95mm ² P15/P108 YE/GN	1045593
20121097		UX M 1000V 1x 120mm ² P15/P108 YE/GN	1045603
20109538		UX M 1000V 1x 150mm ² P15/P108 YE/GN	1045604
20139738		UX M 1000V 1x 185mm ² P15/P108 YE/GN	-
20139739		UX M 1000V 1x 240mm ² P15/P108 YE/GN	-
20204198		UX M 1000V 1x 300mm ² P15/P108 YE/GN	-
	800813	UX M 1000V 1x 400mm ² P15/P108 YE/GN	-
	800815	UX M 1000V 1x 630mm ² P15/P108 YE/GN	-