



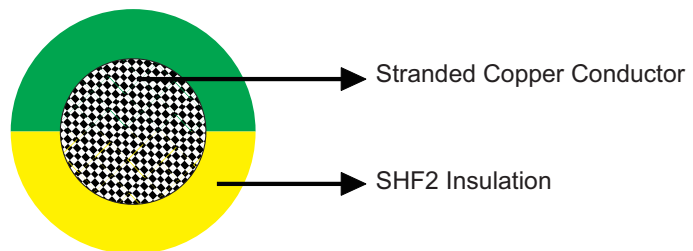
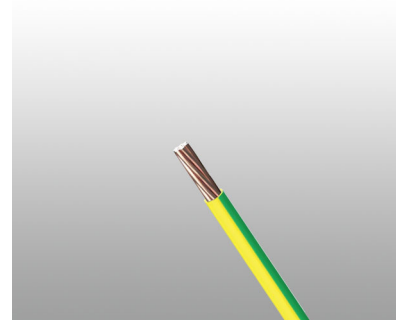
P15 UX 0.6/1kV

Applications

These cables are flame retardant, low smoke and halogen free, used for earthing and bonding services.

Standards

- IEC 60092-353
- IEC 60092-359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1,2
- IEC 61034-1,2
- NEK 606:2004



Construction

- **Conductors:** Tinned annealed stranded copper to IEC 60228 class 2 or class 5.
- **Insulation:** Halogen free thermosetting compound, SHF2. When used as protective earth (PE) wire, the cables coloured yellow/green. When used as single wire, the cables coloured off-white, black, red or blue.

Electrical Characteristics

Nominal Cross Section Area	mm ²	10	16	25	35	50	70
Nominal Conductor Diameter	mm	4	5.1	6.5	7.4	8.7	10.3
Maximum DC Resistant@20°C	Ω/km	1.84	1.16	0.734	0.529	0.391	0.27
Continuous Current Rating@45°C 1 Core	A	72	96	127	157	196	242
Short Circuit Current 1s	A	1430	2290	3580	5010	7150	10020
Operating Voltage	KV	0.6/1	0.6/1	0.6/1	0.6/1	0.6/1	0.6/1

Nominal Cross Section Area	mm ²	95	120	150	185	240	300
Nominal Conductor Diameter	mm	12.2	13.8	15.1	17.0	19.6	21.9



Power and Control Cables

www.caledonian-cables.co.uk

Maximum DC Resistant@20°C	Ω/km	0.195	0.154	0.126	0.1	0.0762	0.0607
Continuous Current Rating@45°C 1 Core	A	293	339	389	444	522	601
Short Circuit Current 1s	A	13590	17170	21460	26470	34340	42930
Operating Voltage	KV	0.6/1	0.6/1	0.6/1	0.6/1	0.6/1	0.6/1

Mechanical and Thermal Properties

- Bending Radius: 8×OD (during installation); 6×OD (fixed installed)
- Temperature Range: -20°C ~ +90°C

Dimensions and Weight

Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1×10	1.0	6.6	125
1×16	1.0	7.7	185
1×25	1.2	9.5	290
1×35	1.2	10.4	380
1×50	1.4	12.1	510
1×70	1.4	13.6	700
1×95	1.6	15.5	950
1×120	1.6	17.5	1205
1×150	1.8	19.4	1470
1×185	2.0	21.7	1875
1×240	2.2	24.7	2420
1×300	2.4	27.2	3060

