



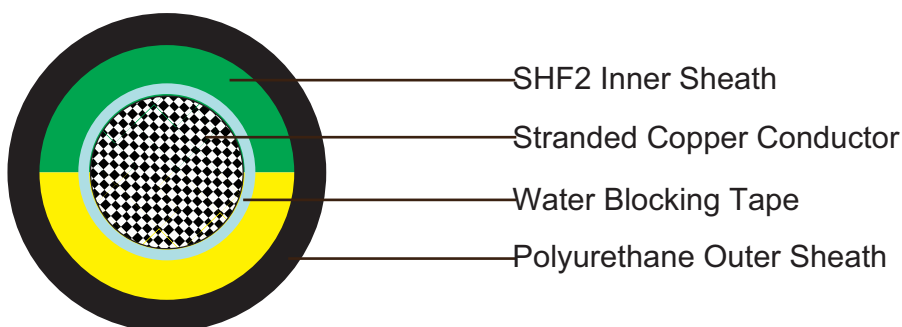
Water Blocked P15 UX 0.6/1kV

Applications

These cables are partially water blocked, 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
- VG 95218 part 29



Construction

- **Conductors:** Tinned annealed stranded copper to IEC 60228 class 2 or class 5.
- **Water Blocking Elements:** Water blocking tape and strings for providing longitudinal water tightness.
- **Inner Sheath:** 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.
- **Outer Sheath:** Polyurethane for providing transversal water tightness, PE is optional, but can not meet low smoke standard.

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
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 Inner Sheath Thickness mm	Nominal Outer Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
1×10	1.0	1.0	8.6±2	131
1×16	1.0	1.0	9.7±2	194
1×25	1.2	1.2	11.9±2	305
1×35	1.2	1.2	12.8±2	399
1×50	1.4	1.2	14.5±2	536
1×70	1.4	1.2	16.0±2	735
1×95	1.6	1.4	18.3±2	998
1×120	1.6	1.4	20.3±2	1265
1×150	1.8	1.4	22.2±2	1544
1×185	2.0	1.4	24.5±2	1969
1×240	2.2	1.6	27.9±2	2541
1×300	2.4	1.6	30.4±2	3213



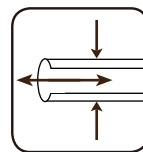
Standard



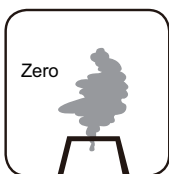
Standard



Standard



Water Tightness
VG 95218-29



Halogen Free
IEC60754-1



Low Corrosivity
IEC60754-2



Low Smoke Emission
IEC 61034-1&2



Flame Retardancy
IEC60332-1



Reduced Fire Propagation
IEC60332-3-22

