

# TECHNICAL SPECIFICATION

## AT(Iszh)OX 450/750V

Italian Conductors, Wires & Cables

### CABLE DESCRIPTION

**Conductor:** Plain copper acc. to VDE 0295 – IEC 60228 cl. 1

**Insulation:** Silicone EI2 acc.to EN50363-1

**Colour code:** see table below

**Sheath:** Thermoplastic halogen free, fire-retardant sheathing LSOH compound Orange Ral 2004 Type M1

**Marking:** EUROCAVI AT(Iszh)OX F2/SA/SD FR2 950° n° x section 450/750V RF 713-020 1h ½ IEC 60331-11-21 E90 CE n week/year “metric numbering”

**Temperature range:** -10°C up to +70°C

**Working voltage:** 450/750 V

**Test voltage:** 2000 V

**Insulation resistance:** 500 MΩ/km

**Standards:**

EN 50267-2-3: Acidity of gasses  
 EN 61034-2: Smoke density  
 IEC 60332-3-24: No flame propagation cat. C  
 IEC 60332-1-2: Flame retardant  
 IEC 60331-11-21: Circuit integrity E90

### DIMENSIONAL CHARACTERISTICS

Number of conductors	Section (mm <sup>2</sup> )	Diameter of wire (mm)	Max conductor resistance at 20° C (Ω/km)	Insulation thickness (mm)	Diameter conductors (mm)	Outer Diameter (mm)	Sheath thickness (mm)	Cu weight (kg/km)	Approx. Cable weight (kg/km)
2	1.00	1.13	18.1	0.60	2.50±0.05	6.80±0.20	0.90	19.26	50.00
2	1.50	1.38	12.1	0.70	2.80±0.05	7.50±0.30	0.90	28.78	76.00
3	1.50	1.38	12.1	0.70	2.80±0.05	8.00±0.30	0.90	43.17	98.00
4	1.50	1.38	12.1	0.70	2.80±0.05	9.00±0.30	1.00	57.56	130.00
5	1.50	1.38	12.1	0.70	2.80±0.05	10.40±0.30	1.20	71.95	168.00
7	1.50	1.38	12.1	0.70	2.80±0.05	11.00±0.30	1.10	100.73	231.00
12	1.50	1.38	12.1	0.70	2.80±0.05	13.50±0.30	1.10	172.68	330.00
1	2.50	1.78	7.41	0.80	3.40±0.05	5.40±0.30	1.00	23.88	50.00

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2	2.50	1.78	7.41	0.80	3.40±0.05	8.00±0.30	1.00	45.00	101.00
3	2.50	1.78	7.41	0.80	3.40±0.05	9.50±0.30	1.00	71.64	145.00
4	2.50	1.78	7.41	0.80	3.40±0.05	10.50±0.30	1.10	95.52	192.00
5	2.50	1.78	7.41	0.80	3.40±0.05	12.00±0.30	1.20	119.40	250.00
7	2.50	1.78	7.41	0.80	3.40±0.05	12.80±0.30	1.10	168.00	300.00

### CORES TABLE

Cable code	Core colours
2x	Blue and brown
3x	Brown, black and grey
3G	Yellow-green, blue and brown
4x	Blue, brown, black and grey
4G	Yellow-green, brown, black and grey
5x	Blue, brown, black grey and black
5G	Yellow-green, blue, brown, black and grey
NX (N > 5)	Black numbered
NG (N > 5)	Yellow-green, black numbered

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