

TECHNICAL SPECIFICATION
AT(Iszh)OX 0.6/1kV
RF 713-020 2H



Italian Conductors, Wires & Cables

CABLE DESCRIPTION

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

Insulation: Silicone Quality EI2 acc.to EN50363-1

Colour code: see table below

Sheath: Thermoplastic halogen free, fire-retardant sheathing LSOH compound Orange or Red type M1

Marking: EUROCAVI AT(Iszh)OX F2/SA/SD FR2 950° n° x section 0.6/1kV RF 713-020 2H EN 50200 PH 120 IEC 60331-11-21 E90 CE n week/year “metric numbering”

Temperature range: -10°C up to +70°C

Nominal voltage: U₀/U 600/1000V a.c.

Maximum voltage: U_m 1800V d.c.

Test voltage: 4000V d.c.

Insulation resistance: 500 MΩ/km

Additional standards:

NBN C30-004

F1 Flame retardant
(NBN EN 60332-1-2)

F2 Fire retardant
(NBN EN 60332-3-24)

SD Smoke density
(NBN EN 61034-2)

SA Acidity of combustion gases
(NBN EN 60754-2)

FR2 Intrinsic circuit integrity
(NBN 713-020 Add.3)

Standards:

EN 50200 PH 120

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 ²)	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	1.50	1.38	12.1	0.70	2.80±0.05	7.50±0.30	0.90	28.78	76.00
2	2.50	1.78	7.41	0.80	3.40±0.05	8.00±0.30	1.00	47.76	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

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CORES TABLE

Cable code	Core colours
2x	Blue and brown
3x	Brown, black and grey
3G	Yellow-green, blue and brown

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TECHNICAL DEPT.	