

TECHNICAL SPECIFICATION AT(Iszh)OXTEL 300V

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: White and Blue numbered

Assembly: conductors twisted with Polyester tape, Aluminium/polyester tape and Polyester tape with drain wire 0.60mm tinned copper

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

Marking: EUROCAVI AT(Iszh)OXTEL F2/SA/SD FR2 950° nxnx0.90 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: 300V

Conductor resistance at 20°C : 36 Ω/km

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

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)

DIMENSIONAL CHARACTERISTICS

Number of conductors	Section (mm ²)	Stranding (mm)	Insulation thickness (mm)	∅ conductors (mm)	Outer ∅ (mm)	Cu weight (kg/km)	Cable weight (kg/km)
1x2	0.50	0.90	0.60	2.00±0.05	6.20±0.20	12.52	37
1x4	0.50	0.90	0.60	2.00±0.05	7.00±0.20	22.32	68
3x2	0.50	0.90	0.60	2.00±0.05	9.50±0.20	32.12	97
4x2	0.50	0.90	0.60	2.00±0.05	11.10±0.20	41.92	120
5x2	0.50	0.90	0.60	2.00±0.05	11.50±0.40	51.72	136
7x2	0.50	0.90	0.60	2.00±0.05	13.50±0.40	71.32	161
10x2	0.50	0.90	0.60	2.00±0.05	14.60±0.40	100.72	202

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