

TECHNICAL SPECIFICATION TPGF LSZH Cable

Italian Conductors, Wires & Cables

CABLE DESCRIPTION

Conductor: solid tinned copper

Insulation: Thermoplastic halogen-free, fire-retardant sheathing LS0H compound Type M1

Colour code: see table below

Pair: conductors twisted in pair with aluminium/polyester foil (outside)

Assembly: pairs shielded with drain wire tinned copper 0.40mm and polyester tape

Sheath: Thermoplastic halogen-free, fire-retardant sheathing LS0H compound Green Ral 6011 Type M1

Marking: EUROCAVI TPGF nxsize CPR 305/2011 Class Cca-s1a,d0,a1 ITC016E CE n.week/year

Temperature range: -5°C up to+70°C

Working voltage: 250 V

Test voltage: 1000 V

Standards:

CPR 305/2011

EN 50575:2014 +A1:2016 Class Cca-s1a,d0,a1

DIMENSIONAL CHARACTERISTICS

Number of conductor	Diameter of wire (mm)	Insulation thickness (mm)	Diameter of conductors (mm)	Outer diameter (mm)	Cu weight (kg/km)	Approx Cable weight (kg/km)
2	0.60	0.28	1.16±0.05	5.10±0.30	6.18	22.00
4				5.30±0.20	11.22	38.00
6				6.10±0.20	16.26	47.00
8				7.00±0.30	21.30	57.00
12				8.00±0.30	31.38	83.00
16				8.60±0.30	41.46	96.00
20				10.00±0.30	51.54	117.00

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Number of conductor	Diameter of wire (mm)	Insulation thickness (mm)	Diameter of conductors (mm)	Outer diameter (mm)	Cu weight (kg/km)	Approx Cable weight (kg/km)
4	0.80	0.30	1.50±0.05	7.50±0.30	20.40	60.00
6				8.50±0.30	30.00	80.00
12				10.00±0.30	58.90	140.00

Electrical characteristics at 20°C

Characteristics	U.M.	0.80mm conductor diameter
Conductor resistance	Ohm/km	≤ 38
Insulation resistance (1m)	MOhm*Km	≥ 2.000
Nominal mutual capacitance at 800 Hz	nf/Km	≥ 90
Unbalance capacitance at 800 Hz	pf/Km	≤ 300
Test Voltage wire-wire	V c.c.	2000
Wire-shield	V c.c.	2000

COLOUR TABLE

Pair N°.	Colour A	Colour B
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Violet
6	White	Grey
7	Red	Blue
8	Red	Orange
9	Red	Green
10	Red	Brown

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TECHNICAL DEPT.	Napoli Giuseppe