

# Telephone and switchboard cables for indoor plants - Type GGT LSZH Cca

## Fire classification Cca-s1-d1-a1, according to EN 50575:2014+A1:2016

### General

Cables designed to be installed in plants where human life and infrastructures need to be safe in case of fire.  
As an example: hospitals, schools, universities, theatres, commercial centers, banks, building offices, hotels

### Construction

<b>Conductor</b>	Tinned copper wire, nominal diameter 0,6 mm
<b>Insulation</b>	LSZH, minimum thickness 0,15 mm
<b>Elements</b>	Pairs (1 quad for 2 pairs cable)
<b>Stranding</b>	Concentric layer
<b>Drain wire</b>	Tinned copper wire 0,6 mm, LSZH insulation, colour white/2 black rings, located in the outer layer
<b>Wrapping</b>	synthetic tape (starting from 10 pairs cable)
<b>Rip-cord</b>	synthetic yarn to facilitate jacket removal
<b>Jacket</b>	LSZH, Green RAL 6011 Marking: Producer - GGT nnX2X0.6 LSZH - EN50575:2014+A1:2016 - Class Cca - Week/Year of production - CE mark - sequential length

### Electrical characteristics

<b>Max. DC resistance at 20°C</b>	66,5 Ohm/Km
<b>Min. insulation resistance</b>	1000 MOhm/Km
<b>Dielectric strength</b>	1,5 Kv
<b>Max. working tension</b>	150 V
<b>Max. mutual capacitance at 800 Hz</b>	120 nF/km
<b>Capacitance unbalance (pair to pair)</b>	400 pF/500 m

### Physical characteristics

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<b>Minimum bending radius</b>	10 x outer diameter

### Construction, diameter and weight

Designation	Construction * - **	Min. insulation thickness (mm)	Nominal jacket thickness (mm)	Nominal outer diameter (mm)	Approx. weight (kg/km)
GGT 1X4X0.6 LSZH Cca	quad	0.15	1.2	4.8	35
GGT 3X2X0.6 LSZH Cca	pairs	0.15	1.4	6.0	52
GGT 4X2X0.6 LSZH Cca	pairs	0.15	1.4	6.6	60
GGT 6X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	7.5	78
GGT 8X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	8.0	94
GGT 10X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	8.7	110
GGT 14X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	9.4	140
GGT 20X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	10.7	185
GGT 26X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	11.8	225
GGT 30X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.4	12.5	255
GGT 40X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.6	14.0	335
GGT 50X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.6	15.5	410
GGT 100X2X0.6 LSZH Cca	pairs / conc. layers	0.15	1.6	21.0	780

\* Quad: White/Blu/Turquoise/Violet

\*\* Colour code according to IEC 60189-1/2 standard