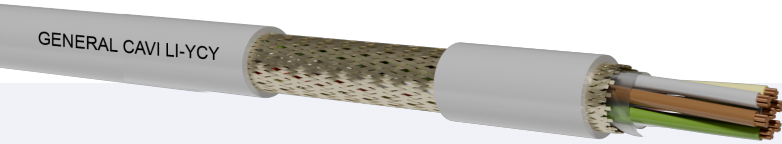


Li-YcY

[D]EMC

Model Product: 212 - 20230830



Class 5 flexible copper conductor.
PVC Insulation in T12 quality.
Assembling with polyester tape
Tinned copper wires braid screen (Kf>85%)
PVC sheath in TM2 quality.

STANDARDS

VDE 0472 / VDE 0295 / VDE 0290
VDE 0281 / VDE 0245 / EIA RS 232
IEC 60332

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 2)

COMMON FEATURES

Data system connection, monitoring, signalling and control Adapt for EIA RS 232 connection.

EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):
Minimum bending radius: 20 x external diameter (mobile installation).
10 x external diameter (fixed installation)
Maximum pulling stress:

PACKING

100m rings in thermoplastic film.
Drums 500m and 1000m.

FLEXIBLE SIGNALLING and CONTROL TWISTED PAIR
CABLES FOR FIXED INSTALLATIONS
WITH PVC INSULATION, TINNED COPPER WIRES BRAID
SCREEN AND EXTERNAL SHEATH IN PVC

Nominal voltage U0: 250 V (s.0.25-0.35) 300V (s.0.50-0.75) 450V (s.1.00)

Nominal voltage U: 250 V (s.0.25-0.35) 500V (s.0.50-0.75) 750V (s.1.00)

Test voltage: 1500 V (s.0.25-0.35) 2000V (s.0.50-0.75) 2500V (s.1.00)

Maximum voltage Um: 275 V (s.0.25-0.35) 550V (s.0.50-0.75) 835V (s.1.00)

Maximum operating temperature: +70°C

Minimum installation and laying temperature: +5°C

Min. operating temperature (without mechanical shocks): -10°C

Minimum installation and laying temperature: +5°C

CORE COLOURS

Multicores: According to Tab. DIN47100.

SHEATH COLOUR

Grey RAL 7001.

INK MARKING

GENERAL CAVI LiYcY - form x sect. - CEI 20 22II
[inner work order] [week/year] [progressive length]

NOTE

TEMPERATURE RANGE flexing: -5 +70°C
TEMPERATURE fixed installation without mechanical shocks: -40 +80°C
LSZH - Low Smoke Zero Halogen VERSION Li-HcH LSZH insulation and sheath. Same section and number of conductor of standard PVC version.
Minimum Order Quantity request.

| Conductor Numberxsec (N°xmmq) | Approx external production diameter (mm) | Approx cable weight (kg/km) | Conductor Numberxsec (N°x mmq) | Approx external diameter (mm) | Approx cable weight (kg/km) |
|----------------------------------|--|--------------------------------|-----------------------------------|----------------------------------|--------------------------------|
| Multicores | | | | | |
| .2x0.25 | 4.5 | 29 | 2x0.75 | 5.9 | 49 |
| .3x0.25 | 4.7 | 34 | 3x0.75 | 6.2 | 59 |
| .4x0.25 | 5.0 | 39 | 4x0.75 | 6.7 | 74 |
| .5x0.25 | 5.4 | 45 | 5x0.75 | 7.3 | 86 |
| .7x0.25 | 5.9 | 54 | 6x0.75 | 8.1 | 104 |
| .10x0.25 | 7.1 | 73 | 7x0.75 | 8.0 | 110 |
| .12x0.25 | 7.2 | 55 | 8x0.75 | 9.0 | 125 |
| .14x0.25 | 8.1 | 75 | 10x0.75 | 10.3 | 166 |
| .16x0.25 | 9.0 | 98 | 12x0.75 | 10.6 | 185 |
| .18x0.25 | 9.9 | 110 | 16x0.75 | 11.7 | 234 |
| .21x0.25 | 10.5 | 140 | 18x0.75 | 12.4 | 242 |
| .24x0.25 | 11.2 | 150 | 21x0.75 | 14.0 | 271 |
| .2x0.34 | 5.1 | 29 | 24x0.75 | 14.5 | 337 |
| .3x0.34 | 5.3 | 33 | 2x1 | 6.3 | 55 |
| .4x0.34 | 5.8 | 38 | 3x1 | 6.6 | 71 |
| .5x0.34 | 6.2 | 56 | 4x1 | 7.2 | 86 |
| .7x0.34 | 6.8 | 74 | 5x1 | 8.0 | 107 |
| .10x0.34 | 8.5 | 99 | 7x1 | 8.8 | 133 |
| .12x0.34 | 8.7 | 115 | 10x1 | 11.1 | 195 |
| .14x0.34 | 9.2 | 130 | 12x1 | 11.4 | 222 |
| .16x0.34 | 9.9 | 148 | 14x1 | 12.4 | 240 |
| .18x0.34 | 10.4 | 164 | 16x1 | 13.0 | 265 |
| .21x0.34 | 10.9 | 180 | 18x1 | 13.7 | 293 |
| .24x0.34 | 12.3 | 200 | 21x1 | 14.4 | 332 |
| .1x0.50 | 3.6 | 25 | 24x1 | 15.9 | 376 |
| .2x0.50 | 5.5 | 42 | 2x1.5 | 7.7 | 82 |
| .3x0.50 | 5.8 | 50 | 3x1.5 | 8.1 | 104 |
| .4x0.50 | 6.2 | 59 | 4x1.5 | 8.9 | 131 |
| .5x0.50 | 6.8 | 71 | 5x1.5 | 9.9 | 160 |
| .7x0.50 | 7.2 | 85 | 7x1.5 | 9.4 | 170 |
| .10x0.50 | 9.3 | 127 | 8x1.5 | 12.2 | 240 |
| .12x0.50 | 9.6 | 143 | 10x1.5 | 13.7 | 289 |
| .14x0.50 | 10.2 | 166 | 12x1.5 | 14.1 | 332 |
| .16x0.50 | 10.8 | 183 | 16x1.5 | 14.5 | 334 |
| .18x0.50 | 11.1 | 195 | 18x1.5 | 14.7 | 370 |

Li-YcY

[D]EMC

Model Product: 212 - 20230830



| Conductor Numberxsec (N°xmmq) | Approx external production diameter (mm) | Approx cable weight (kg/km) | Conductor Numberxsec (N°x mmq) | Approx external diameter (mm) | Approx cable weight (kg/km) |
|----------------------------------|--|--------------------------------|-----------------------------------|----------------------------------|--------------------------------|
| .21x0.50 | 11.7 | 215 | 21x1.5 | 15.4 | 422 |
| .24x0.50 | 13.3 | 265 | 24x1.5 | 17.1 | 480 |
| - | - | - | 2x2.5 | 8.7 | 111 |
| - | - | - | 3x2.5 | 9.2 | 144 |
| - | - | - | 4x2.5 | 10.3 | 184 |
| - | - | - | 5x2.5 | 11.2 | 222 |
| - | - | - | 7x2.5 | 12.4 | 265 |
| - | - | - | 12x2.5 | 16.2 | 474 |
| - | - | - | 18x2.5 | 17.2 | 551 |

Outer diameters are approximates and they can have variations of max +/- 3%. Section 0,14mmq available only on request.