

PAAR-Li2YCYv

Communication cables for fast connection, outdoor use, EMC*



Cable structure

- Stranded bare copper conductor according to DIN VDE 0881, 7 wires
- Core structure for $0,22 \text{ mm}^2 = 7 \times 0,2 \text{ mm}$
 $0,34 \text{ mm}^2 = 7 \times 0,25 \text{ mm}$
 $0,5 \text{ mm}^2 = 7 \times 0,30 \text{ mm}$
- Core insulation PE
- Cores color coded according to DIN 47100
- Cores twisted to pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Twisted pairs wrapped with plastic foil
- Tinned copper braided screening, approx 85% coverage
- Special PVC outer sheath, black color (Yv) – reinforced sheath
- PVC self-extinguishing and flame-retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- **Temperature range** flexing from $-5 \text{ }^\circ\text{C}$ to $+70 \text{ }^\circ\text{C}$
fixed from $-30 \text{ }^\circ\text{C}$ to $+80 \text{ }^\circ\text{C}$
- **Operating voltage** 250 V
- **Test voltage** core/core 2000 V
core/screen 1000 V
- **Mutual capacitance at 800 Hz** max. 60 nF/1 km
(this value can be exceeded by 20 % in cables up to 4 pairs)
- **Impedance** $100 \Omega \pm 15 \%$
- **Minimum bending radius** flexing $15 \times$ cable diameter
fixed $8 \times$ cable diameter

Application

This type of this type of cable is suitable for the interference – free transmission of data and signals for longer distances. The transmission rates are suitable for RS 422 and RS 485 interfaces. The cable is suitable for dry and wet spaces. The version with reinforced sheath is suitable for direct burial underground.

Note

EMC = Electromagnetic compatibility – recommended type.
CE = The product is conformed with the EC Low – Voltage Directive 73/23/EEC.
Conform to RoHS.

| Part No. | Number of cores x core cross-section (mm ²) | Approx. outer Ø (mm) | Copper weight (kg/km) | Approx. cable weight (kg/km) |
|----------|---|-------------------------|--------------------------|------------------------------------|
| 0221129 | 2×2×0,22 | 7,9 | 20 | 46 |
| 0221130 | 3×2×0,22 | 8,2 | 26 | 67 |
| 0221131 | 4×2×0,22 | 8,8 | 31 | 83 |
| 0221132 | 8×2×0,22 | 10,5 | 54 | 129 |
| 0221133 | 10×2×0,22 | 12,0 | 65 | 164 |
| 0221134 | 1×2×0,34 | 7,4 | 20 | 44 |
| 0221135 | 2×2×0,34 | 9,1 | 29 | 68 |
| 0221136 | 3×2×0,34 | 9,5 | 38 | 79 |
| 0221137 | 4×2×0,34 | 10,1 | 47 | 95 |

| Part No. | Number of cores x core cross-section (mm ²) | Approx. outer Ø (mm) | Copper weight (kg/km) | Approx. cable weight (kg/km) |
|----------|---|-------------------------|--------------------------|------------------------------------|
| 0221138 | 8×2×0,34 | 12,6 | 78 | 165 |
| 0221139 | 10×2×0,34 | 14,2 | 113 | 204 |
| 0221140 | 1×2×0,5 | 7,9 | 28 | 61 |
| 0221141 | 2×2×0,5 | 9,9 | 37 | 73 |
| 0221142 | 3×2×0,5 | 10,3 | 49 | 109 |
| 0221143 | 4×2×0,5 | 11,1 | 60 | 122 |
| 0221144 | 8×2×0,5 | 13,9 | 106 | 234 |
| 0221145 | 10×2×0,5 | 15,8 | 148 | 284 |