

SUPER-PAAR-LiC-PUR

High flexible cables for drag chains, EMC*



02

Cable structure

- Fine stranded copper core according to DIN VDE 0295 and IEC 60228 class 6.
- Core insulation TPE
- Color code according to DIN 47100
- Pairs stranded in layers with optimal lay-length and wrapped with soft textile tape
- Tinned copper braided screening, approx 85% coverage
- Special grey PUR outer sheath, orange or grey
- Self-extinguishing and flame-retardant according to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1
- Halogen-free

Technical data

- Data screened cable according to DIN VDE 0207, 0250, 0293, 0295, 0472
- **Temperature range** flexing from -30 °C to +80 °C
fixed from -50 °C to +80 °C
- **Nominal voltage** 250 V
- **Test voltage a.c.** 1 500 V
- **Insulation resistance** for 20 °C $\geq 20 \text{ M}\Omega \times \text{km}$
- **Radiation resistance** up to $100 \times 10^6 \text{ cJ/kg}$ (up to 100 Mrad)
- **Minimum bending radius**
flexing approx. 7,5× cable diameter
fixed approx. 5× cable diameter

Application

Twisted pair shielded electronic cable for authentic data and signal transmission and for high mechanical and electrical requirements in drag chains applications, in movable electrical facilities and in the field of robotic technology. The cable is suitable for outdoor use, halogen-free, flame-retardant, resistant to oil.

Note

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

Part No.	Number of cores x core cross-section [mm ²]	Approx. outer \varnothing [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0219102	2×2×0,25	6,0	29,0	50
0219103	3×2×0,25	6,4	34,0	58
0219104	4×2×0,25	7,1	39,0	71
0219105	5×2×0,25	7,9	52,0	92
0219106	6×2×0,25	8,1	55,0	96
0219107	8×2×0,25	8,5	70,0	120
0219108	10×2×0,25	9,5	92,0	146
0219113	12×2×0,25	10,2	97,0	163
0219109	14×2×0,25	10,7	112,0	205
0219110	16×2×0,25	11,6	126,0	215

Part No.	Number of cores x core cross-section [mm ²]	Approx. outer \varnothing [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0219111	21×2×0,25	13,5	156,0	281
0219112	30×2×0,25	14,5	230,0	377
0219120	2×2×0,5	8,0	52,0	68
0219121	3×2×0,5	8,5	71,0	101
0219122	4×2×0,5	9,0	83,0	130
0219123	5×2×0,5	10,1	94,0	151
0219124	6×2×0,5	11,0	108,0	172
0219126	10×2×0,5	14,2	173,0	262
0219127	14×2×0,5	15,0	227,0	330