

# Aaron-Flex



## Li-2YCYV data cable

PE-insulated data cable

PE-insulated, low capacitance, EMC-preferred type, meter marking

### Application

These PE-insulated data cables with twisted pairs are used in particular for the interference-free transmission of data and signals over longer distances. The high transmission rates are particularly suitable for RS 422 and RS 485 interfaces. These cables are suitable for fixed installations as well as for flexing applications, for free movement without forced motion and without tensile stress, in dry and moist environments. Yv black with reinforced outer sheath, is suitable for installation in the ground and in open air.

**EMC** = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

**CE** = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

### Construction

- . Bare copper-conductor, 7-wires, adapted to DIN VDE 0881
- . Core insulation of PE compound type L/MD to DIN VDE 0819-103 /DIN EN 50290-2-23
- . Core identification (pair) to DIN 47100
- . Cores stranded in pairs with optimal lay-length
- . Pairs stranded in layers with optimal lay-length
- . Foil wrapping
- . Tinned copper braided screening, coverage approx. 85%
- . Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1/DIN EN 50363-4-1

### Characteristics

**Temperature range**

flexing -5°C to +70°C

fixed installation -30°C to +80°C

**Operating peak voltage**

max. 250 V

(not for heavy current installation purposes)

**Test voltage**

core/core 2000 V

core/screen 1000 V

**Minimum bending radius**

flexing 12x cable Ø

fixed installation 7,5x cable Ø

Type . . . Yv with reinforced outer sheath

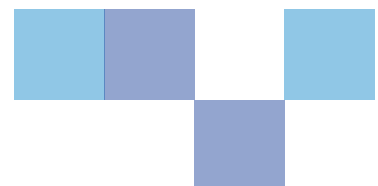
**Sheath colour** black

with meter marking

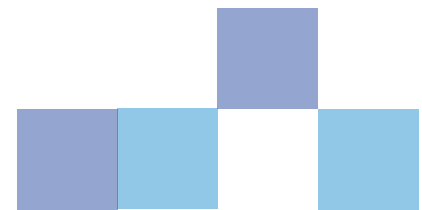
The twisted-pair lay-up prevents electrical unbalances within the cable and this thus effectively suppresses cross-talking effects

### Standards

- . PVC outer sheath self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)



## Product Selection



### Li-2YCYv

Part no	No. pairs x cross-sec mm <sup>2</sup>	Outer Ø approx. mm	Cop weight kg/km	Weight approx kg/km
L0001	2x2x0,22	78	260	600
L0002	3x2x0,22	81	310	790
L0003	4x2x0,22	85	380	960
L0004	8x2x0,22	106	620	1400
L0005	10x2x0,22	116	790	1840
L0006	2x2x0,34	87	350	830
L0007	3x2x0,34	94	440	920
L0008	4x2x0,34	100	530	1120
L0009	8x2x0,34	124	860	1790
L0010	10x2x0,34	138	1040	2190
L0011	2x2x0,5	98	490	900
L0012	3x2x0,5	104	600	1260
L0013	4x2x0,5	112	730	1460
L0014	8x2x0,5	139	1240	2460
L0015	10x2x0,5	160	1550	2920
L0016	2x2x1	108	810	1410
L0017	3x2x1	115	1020	170
L0018	4x2x1	120	1300	2030
L0019	8x2x1	161	2400	2610
L0020	10x2x1	172	2820	2870

Aaron-Flex reserves the right to carry out any modification to the data sheets whatsoever without giving previous notice.

\*\*For reference only, the actual parameters of the manufacturer prevail