1 LIYCY-CY paired

Flexible data cable. screened pairs and overall screen

Technical Data:

- **Conductor material** Copper bare
- **Conductor Class** Class 5
- **Core Insullation** PVC
- **Core identification** DIN VDE 471000
- **Stranding** 2 cores twisted into pairs; Pairs stranded in layers
- **Outer sheath** PVC
- **Sheath colour** Grey (RAL 7032)
- **Rated voltage [V]** 350/500
- **Testing voltage [V]** Core/screen 2000 V
- **Core/core**: on 0.14 mm2 1200 V and 0.14mm' 1500
- **Conductor resistance** Acc. to DIN VDE 0295 or IEC 60228
- **Insulation resistance** ≥ 20 MΩ x km
- **Current carrying capacity** DIN VDE (see technical guidance)
- **Min. bending radius fixed [xd]** up to 12mm Ø: 5 x d up to 20mm Ø: 7 5 x d > 20mm Ø: 10
- **Min. bending radius moved [xd]** up to 12mm Ø: 10 x d up to 20mm Ø: 15 x d 20mm Ø: 20
- **Working temp fixed min/max [C]** -30°C up to +80°C
- **Working temp moved min/mac [C]**
- -5°C up to +70°C
- **Burning behaviour** IEC 60332-1: flame-retardant and self-extnguishing
- **Approvals** VDE 0812. 0814 und DIN 47414

Construction:

- fine strands of bare copper conductor
- stranding acc. to VDE0295. class 5
- cores of special PVC
- black cores with white numbers
- JZ = earth conductor green/yellow in outer layer
- OZ = without earth conductor
- inner sheath of special PVC. black
- copper screen of tinned copper wire braid
- outer sheath of special PVC. fire- and oil resistant. resistant of UV - radiation
- sheath colour: black RAL 9005

Application:

Used as junction or connecting cables in control. measuring and signalling technology as well as in data processing and office technology for lossless transmission of datas and signals.
The twisted pairs are provided with a tinned overall copper screening to avoid external interference or mutual interference between various line circuits. Suitable for use in dry and humid rooms. For fixed laying and flexible applications with undefined cable routing and without tensile stress.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
25020014	2 x 2 x 0.14	7.70	4.60	10.00
25030014	3 x 2 x 0.14	8.00	6.50	11.50
25040014	4 x 2 x 0.14	8.50	8.40	15.00
25050014	5 x 2 x 0.14	10.70	9.20	18.00
25060014	6 x 2 x 0.14	11.00	10.10	20.80
25070014	7 x 2 x 0.14	12.00	11.20	23.00
25080014	8 x 2 x 0.14	13.00	12.70	24.70
25090014	9 x 2 x 0.14	14.00	14.00	28.00
25100014	10 x 2 x 0.14	14.30	15.00	32.00
25120014	12 x 2 x 0.14	15.10	17.00	38.20
25160014	16 x 2 x 0.14	17.20	21.40	44.00
25200014	20 x 2 x 0.14	18.00	26.00	52.00
25020025	2 x 2 x 0.25	9.50	6.30	12.50
25030025	3 x 2 x 0.25	10.00	8.00	15.00
25040025	4 x 2 x 0.25	11.40	9.50	18.00
25050025	5 x 2 x 0.25	12.10	10.60	21.50
25060025	6 x 2 x 0.25	13.50	13.50	26.00
25070025	7 x 2 x 0.25	14.70	14.70	30.00
25080025	8 x 2 x 0.25	15.50	16.60	32.50
25100025	10 x 2 x 0.25	17.00	20.70	39.50
25120025	12 x 2 x 0.25	18.70	24.70	44.00
25160025	16 x 2 x 0.25	22.20	32.30	61.00
25200025	20 x 2 x 0.25	23.60	39.00	70.80
25240025	24 x 2 x 0.25	26.00	44.00	81.20
25320025	32 x 2 x 0.25	29.50	58.60	90.00

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
25020034	2 x 2 x 0.34	12.70	6.70	13.50
25030034	3 x 2 x 0.34	13.80	9.00	16.80
25040034	4 x 2 x 0.34	15.50	11.10	22.60
25060034	6 x 2 x 0.34	18.60	15.60	31.00
25080034	8 x 2 x 0.34	20.80	18.80	36.00
25020050	2 x 2 x 0.5	13.00	9.10	19.30
25030050	3 x 2 x 0.5	13.40	11.00	21.00
25040050	4 x 2 x 0.5	14.60	15.70	27.20
25060050	6 x 2 x 0.5	18.00	19.10	39.60
25080050	8 x 2 x 0.5	19.60	22.50	42.00
25020075	2 x 2 x 0.75	12.2	9.50	20.50
25030075	3 x 2 x 0.75	13.5	12.37	26.50
25040075	4 x 2 x 0.75	15.0	16.20	32.50
25080075	8 x 2 x 0.75	22.0	24.50	63.40