

JE-LiYCY... Bd acc. to DIN VDE 0815

Construction

• Conductor:	copper strand, bare, 7 x 0,3 mm = 0,5 mm, Ø = 0,9 mm
• Core insulation:	PVC compound TI51 acc.to DIN EN 50290-2-21
• Core stranding:	2 cores to pair 2 pairs to quad, 4 pairs to lay up, bundles to lay up
• Lapping:	plastic foil
• Screen:	tinned copper wire braid, Ø = 0,2 mm, opt. covering > 60 %
• Sheath:	PVC
• Sheath colour:	pebble grey RAL 7032, low flame propagation acc. to

Technical data

• (Conductor) loop resistance max.	78,4 Ω/km
• Insulation resistance min.	100 ΩW x km
• Mutual capacitance (800 Hz) max.	120 nF/km
• Capacitance unbalance (800 Hz) max.	200 pF/100 m
• Inductance (guide value)	0,61 mH/km
• Peak operating voltage	225 V
• Test voltage core-core	500 V 50 Hz 1 min
• Test voltage core-screen	2000 V 50 Hz 1 min
• Temperature range during installation	-5°C to +50°C
• Temperature range stationary	-30°C to +70°C
• Minimum banding radius	7,5 x diameter

Properties

- Flame-retardant acc. to IEC 60332-3
- Addition **FR** in code designation
- Additional characteristics upon request

Behavior under fire condition

- Category C: JE-LiYCY acc. to DIN EN 60332-3-24
- Category A: JE-LiYCY-FR acc. to DIN EN 60332-3-22

Application: For information transmission in dry and moist production sites, on and under plaster as well as outdoors for fixed installation. Not approved for power and underground installation.

Dimension	Sheath thickness appr. mm	Diameter appr. mm	Total-Weight kg/km	Cu-Weight kg/km	Article number
1 x 2 x 0,5	1,0	6,2	60,0	35,0	4900050012
2 x 2 x 0,5	1,0	7,0	75,0	48,0	4900050022
4 x 2 x 0,5	1,0	8,6	120,0	84,0	4900050042

Dimension	Sheaththickness appr. mm	Diameter appr. mm	Total- Weightkg/km	Cu-Weight kg/km	Article number
8 x 2 x 0,5	1,0	12,0	200,0	140,0	4900050082
12 x 2 x 0,5	1,2	13,1	265,0	193,0	4900050122
16 x 2 x 0,5	1,2	14,3	325,0	243,0	4900050162
20 x 2 x 0,5	1,2	15,5	385,0	292,0	4900050202
24 x 2 x 0,5	1,2	16,8	450,0	342,0	4900050242
32 x 2 x 0,5	1,4	20,5	610,0	435,0	4900050322
40 x 2 x 0,5	1,4	22,5	720,0	531,0	4900050402
48 x 2 x 0,5	1,6	24,0	850,0	637,0	4900050482

- Further formats available on request
- All data and products subject to change