

**Technical Data:**

- **Conductor material** Copper bare
- **Conductor Class** Class 5 acc. to DIN VDE 0295 or IEC 60228
- **Core Insulation** PVC
- **Core identification** DIN 47100
- **Stranding** Cores twisted in layers
- **Outer sheath** PVC
- **Sheath colour** Grey (RAL 7001)
- **Rated voltage [V]** 300/500
- **Testing voltage [V]**
0.14 mm²= 1200 V > 0.14 mm²= 1500
- **Conductor resistance**
DIN VDE 0295 Cl.5
- **Insulation resistance** 20 MΩ x km
- **Current carrying capacity** DIN VDE (see technical guidelines)
- **Min. bending radius**
Occasional flexing: 10 x outer diameter
Fixed installation: 4 x outer diameter
- **Working temp fixed min/max [C]**
-30°C up to +80°C
- **Working temp moved min/mac [C]**
-15°C up to +70°C
- **Burning behaviour** IEC 60332-1:
flame-retardant and self-extinguishing
- **Approvals** VDE 0812, 0814 and DIN 47414

Construction:

- fine strands of bare copper wire
- PVC core insulation marked as per DIN 47100
- cores twisted into layers
- available with or without foil
- PVC outer sheath grey, RAL 7001
- stranding acc. to VDE 0295 class 5 (exception 0.34mm² multi-wire)

Application:

This cable will be used as signal, connecting and control cable, predominantly for transmission of data in measurement and control technology. Suitable for use in dry and humid rooms.

For fixed laying and flexible applications with undefined cable routing and without tensile stress.

Cross-section mm ²	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km	Tensile strength N	Cross-section mm ²	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km	Tensile strength N
22020014	2 x 0.14	3.20	0.27	1.20	22020025	2 x 0.25	3.70	0.50	1.70
22030014	3 x 0.14	3.50	0.40	1.70	22030025	3 x 0.25	4.00	0.72	2.10
22040014	4 x 0.14	3.60	0.54	1.90	22040025	4 x 0.25	4.40	0.96	2.70
22050014	5 x 0.14	3.90	0.67	2.20	22050025	5 x 0.25	4.80	1.20	3.20
22060014	6 x 0.14	4.20	0.81	2.50	22060025	6 x 0.25	5.10	1.44	4.00
22070014	7 x 0.14	4.20	1.00	2.70	22070025	7 x 0.25	5.30	1.70	4.20
22080014	8 x 0.14	4.70	1.10	3.00	22080025	8 x 0.25	5.80	1.90	5.10
22090014	9 x 0.14	5.20	1.20	3.30	22090025	9 x 0.25	6.20	2.16	5.30
22100014	10 x 0.14	5.30	1.34	4.10	22100025	10 x 0.25	6.40	2.40	6.10
22120014	12 x 0.14	5.60	1.60	4.80	22120025	12 x 0.25	6.80	2.90	7.10
22140014	14 x 0.14	5.80	1.90	5.40	22140025	14 x 0.25	7.40	3.40	7.50
22160014	16 x 0.14	6.10	2.15	6.00	22160025	16 x 0.25	7.60	3.84	8.10
22180014	18 x 0.14	7.00	2.42	7.20	22180025	18 x 0.25	8.60	4.30	10.40
22200014	20 x 0.14	6.90	2.70	7.30	22200025	20 x 0.25	8.50	4.80	10.50
22210014	21 x 0.14	7.20	2.80	7.70	22210025	21 x 0.25	9.10	5.30	12.00
22240014	24 x 0.14	7.50	3.23	9.40	22240025	24 x 0.25	9.70	5.90	12.50
22270014	27 x 0.14	7.80	3.60	8.50	22270025	27 x 0.25	10.20	6.48	15.30
22300014	30 x 0.14	8.20	4.10	9.60	22300025	30 x 0.25	10.50	7.20	16.80
22320014	32 x 0.14	8.40	4.30	10.50	22320025	32 x 0.25	10.70	7.70	18.20
22360014	36 x 0.14	8.80	4.90	11.40	22360025	36 x 0.25	11.20	8.70	20.00
22400014	40 x 0.14	9.40	5.40	12.70	22400025	40 x 0.25	12.00	9.60	21.00
22440014	44 x 0.14	9.80	5.90	14.53	22440025	44 x 0.25	13.40	10.56	24.90
22500014	50 x 0.14	10.50	6.80	15.40	22500025	50 x 0.25	13.40	12.20	27.80
22520014	52 x 0.14	10.70	7.00	16.34	22520025	52 x 0.25	13.90	12.48	28.70
22610014	61 x 0.14	11.50	8.20	19.05	22610025	61 x 0.25	14.50	14.70	33.80
22800014	80 x 0.14	16.10	10.80	23.50	22800025	80 x 0.25	19.60	19.20	53.40
221000014	100 x 0.14	19.00	13.50	25.00	221000025	100 x 0.25	23.10	24.00	66.70

Cross-section mm ²	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km	Tensile strength N	Cross-section mm ²	CU number kg/km	Outer Ø approx. mm	Weight approx. kg/km	Tensile strength N
22020034	2 x 0.34	4.40	0.70	2.40	22610050	61 x 0.50	20.80	29.28	53.60
22030034	3 x 0.34	4.50	1.00	2.80	22800050	80 x 0.50	24.30	38.40	70.40
22040034	4 x 0.34	5.00	1.30	3.90	221000050	100 x 0.50	29.60	48.00	88.00
22050034	5 x 0.34	5.80	1.60	4.40	22020075	2 x 0.75	5.20	1.44	4.80
22060034	6 x 0.34	6.00	2.00	5.50	22030075	3 x 0.75	5.50	2.20	5.70
22070034	7 x 0.34	6.30	2.28	6.00	22040075	4 x 0.75	6.10	2.90	6.90
22080034	8 x 0.34	6.70	2.61	6.30	22050075	5 x 0.75	7.00	3.60	7.70
22090034	9 x 0.34	7.60	2.94	7.64	22060075	6 x 0.75	7.30	4.32	10.30
22100034	10 x 0.34	7.50	3.30	7.65	22070075	7 x 0.75	7.50	5.00	12.50
22120034	12 x 0.34	7.80	8.80	8.50	22080075	8 x 0.75	8.30	5.90	12.30
22140034	14 x 0.34	8.20	4.60	10.00	22120075	12 x 0.75	10.10	8.70	17.90
22160034	16 x 0.34	8.70	5.20	11.70	22160075	16 x 0.75	11.40	11.60	23.00
22180034	18 x 0.34	9.80	5.90	13.52	22200075	20 x 0.75	12.60	14.40	27.40
22200034	20 x 0.34	10.00	6.50	14.60	22240075	24 x 0.75	14.30	17.60	29.70
22210034	21 x 0.34	10.10	6.90	16.10	22300075	30 x 0.75	15.30	21.70	39.40
22240034	24 x 0.34	11.20	7.90	17.10	22020100	2 x 1.00	5.60	1.90	6.10
22270034	27 x 0.34	11.60	8.80	18.82	22040100	4 x 1.00	6.50	3.84	8.50
22300034	30 x 0.34	11.80	9.80	20.62	22020150	2 x 1.50	6.80	2.90	6.00
22320034	32 x 0.34	12.20	10.60	22.30					
22360034	36 x 0.34	12.60	11.80	24.42					
22400034	40 x 0.34	13.30	13.00	29.90					
22440034	44 x 0.34	14.40	14.40	29.20					
22500034	50 x 0.34	15.00	16.32	33.70					
22520034	52 x 0.34	15.10	17.00	33.80					
22610034	61 x 0.34	16.00	19.90	39.00					
22800034	80 x 0.34	22.00	26.40	51.10					
221000034	100 x 0.34	25.40	32.70	63.90					
22020050	2 x 0.50	4.80	0.96	2.60					
22030050	3 x 0.50	5.10	1.44	3.10					
22040050	4 x 0.50	5.40	1.90	4.20					
22050050	5 x 0.50	6.10	2.40	4.70					
22060050	6 x 0.50	6.60	2.90	6.20					
22070050	7 x 0.50	6.80	3.40	6.50					
22080050	8 x 0.50	7.50	3.90	7.80					
22100050	10 x 0.50	8.20	4.80	9.20					
22120050	12 x 0.50	8.70	5.80	12.10					
22140050	14 x 0.50	10.80	6.72	13.00					
22160050	16 x 0.50	10.20	7.70	14.60					
22180050	18 x 0.50	12.00	8.64	16.60					
22200050	20 x 0.50	11.70	9.70	17.60					
22210050	21 x 0.50	13.00	10.08	18.40					
22240050	24 x 0.50	12.70	11.60	22.10					
22270050	27 x 0.50	14.70	12.96	24.40					
22300050	30 x 0.50	13.80	14.40	27.20					
22320050	32 x 0.50	14.00	15.36	29.10					
22360050	36 x 0.50	14.80	17.28	31.40					
22400050	40 x 0.50	15.60	19.20	34.50					
22440050	44 x 0.50	17.50	21.12	39.20					
22500050	50 x 0.50	19.40	24.00	44.00					
22520050	52 x 0.50	19.80	24.96	45.40					