



**Technical Data:**

- **Conductor material** Copper bare
- **Conductor class** Class 5 acc. to DIN VDE 0295 or IEC 60228
- **Core insulation** Halogen-free polyethylene
- **Core identification** DIN 47100
- **Stranding** Cores twisted in layers
- **Outer sheath** Halogen-free polymer
- **Sheath colour** Grey (RAL 7032)
- **Rated voltage [V]** 350
- **Testing voltage [V]** 0.14 mm<sup>2</sup>: 1200 V.  
>0.14 mm<sup>2</sup>: 1500

**Conductor resistance \***

- **Insulation resistance** min. 20 MΩ x km
- **Current carrying capacity** DIN VDE (s. technical guidelines)
- **Min. bending radius fixed [xd]** 6 x d
- **Min. bending radius moved [xd]** 10 x d
- **Working temp fixed min/max [C]** -40°C up to +80°C
- **Working temp moved min/max [C]** -15°C up to +80°C
- **Temp at conductor max.**
- **Burning behaviour** VDE 0482-332-2-1 (IEC 60332-1-2)
- **Approvals** DIN VDE 0295 VDE 0472. Teil804

**Construction:**

- bare copper wires
- core insulation: halogen-free polyethylene
- core identification acc. to DIN 47100
- outer sheath: halogen-free polymer. grey (RAL 7032)
- cores twisted in layers
- flame-retardant

**Application:**

Flexible halogen-free data transmission, control and interconnecting cable for measuring, control and regulation technology, intercom systems, machine, tool and equipment manufacturing and electronics, especially where small dimensions are required. Suitable for use in buildings where the release of halogens in the event of fire must be avoided in dry and damp rooms, or concealed, but not outdoors or in the ground.

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
220020014	2 x 0.14	3.40	0.27	1.20
220030014	3 x 0.14	3.60	0.40	1.50
220040014	4 x 0.14	3.80	0.54	1.70
220050014	5 x 0.14	4.10	0.67	2.20
220060014	6 x 0.14	4.40	0.81	2.50
220070014	7 x 0.14	4.40	0.94	2.60
220080014	8 x 0.14	5.10	1.08	2.90
220100014	10 x 0.14	5.40	1.34	3.50
220120014	12 x 0.14	5.80	1.61	4.30
220150014	15 x 0.14	6.10	2.02	5.60
220180014	18 x 0.14	6.60	2.42	7.00
220200014	20 x 0.14	7.20	2.68	7.30
220210014	21 x 0.14	7.40	2.90	7.60
220250014	25 x 0.14	8.00	3.46	9.10
220300014	30 x 0.14	8.80	4.04	9.80
220340014	34 x 0.14	9.20	4.60	11.10
220400014	40 x 0.14	10.40	5.40	13.90
220500014	50 x 0.14	12.50	6.72	76.40
220020025	2 x 0.25	4.00	0.48	2.20
220030025	3 x 0.25	4.20	0.72	2.50
220040025	4 x 0.25	4.50	0.96	2.80
220050025	5 x 0.25	4.90	1.20	3.40
220060025	6 x 0.25	5.30	1.44	3.90
220070025	7 x 0.25	5.30	1.68	4.20
220080025	8 x 0.25	6.40	1.92	5.00
220100025	10 x 0.25	7.00	2.40	6.00
220120025	12 x 0.25	7.20	2.88	6.70
220150025	15 x 0.25	7.60	3.60	8.00
220160025	16 x 0.25	7.90	3.84	8.50
220180025	18 x 0.25	8.20	4.32	9.30
220210025	21 x 0.25	9.10	5.04	10.50
220250025	25 x 0.25	9.70	6.00	12.70
220340025	34 x 0.25	10.80	8.20	16.80
220400025	40 x 0.25	11.40	9.60	19.60

Part Number	No of cores x Cross section	Outer Ø ca. mm	Copper weight kg /100	Weight 100 kg/100
220020034	2 x 0.34	4.40	0.65	2.80
220030034	3 x 0.34	4.60	0.98	3.00
220040034	4 x 0.34	5.00	1.31	4.00
220050034	5 x 0.34	5.70	1.63	4.40
220070034	7 x 0.34	6.10	2.28	6.00
220080034	8 x 0.34	7.20	2.62	7.3
220100034	10 x 0.34	7.80	3.26	8.00
220120034	12 x 0.34	8.00	3.92	9.70
220150034	15 x 0.34	8.50	4.91	11.50
220180034	18 x 0.34	9.20	5.91	14.20
220210034	21 x 0.34	10.40	6.90	16.60
220250034	25 x 0.34	11.40	8.20	19.20
220340034	34 x 0.34	12.80	11.11	24.00
220400034	40 x 0.34	13.70	13.10	28.56
220020050	2 x 0.50	4.90	0.96	3.10
220030050	3 x 0.50	5.20	1.44	3.70
220040050	4 x 0.50	5.80	1.92	4.50
220050050	5 x 0.50	6.30	2.40	5.80
220070050	7 x 0.50	7.00	3.36	7.20
220100050	10 x 0.50	8.70	4.80	11.50
220120050	12 x 0.50	9.10	5.76	11.70
220150050	15 x 0.50	10.10	7.20	16.30
220210050	21 x 0.50	11.70	10.10	21.90
220250050	25 x 0.50	12.60	12.00	27.00
220020075	2 x 0.75	5.30	1.44	4.10
220030075	3 x 0.75	5.70	2.20	5.60
220040075	4 x 0.75	6.30	2.88	6.00
220050075	5 x 0.75	7.10	3.60	7.00
220070075	7 x 0.75	7.70	5.04	8.50
220100075	10 x 0.75	9.50	7.20	14.90
220120075	12 x 0.75	10.40	8.64	16.50
220020100	2 x 1.00	5.70	1.92	5.50
220030100	3 x 1.00	6.10	2.88	5.70
220040100	4 x 1.00	6.60	3.84	6.70
220020150	2 x 1.50	6.90	2.90	7.40
220030150	3 x 1.50	7.40	4.32	7.20
220040150	4 x 1.50	8.00	5.76	8.70