

Data Cables Electrical characteristics

■ Data cables - electrical characteristics

Conductor size	0.14 mm ² 26 AWG	0.25 mm ² 24AWG	0.34 mm ² 22 AWG	0.50 mm ² 20 AWG	0.75 mm ² 19 AWG	1.00 mm ² 18 AWG	1.50 mm ² 16 AWG
max. conductor resistance at 20 °C in Ω/km acc. to VDE 0812	148.0	79.9	58.0	38.9	26.0	19.5	13.3
capacitance conductor/conductor approx. nF/km for ...							
... PVC	120	120	130	140	150	170	190
... TPE-E	100	100	120	120	150	150	170
... PE	60	60	80	90	90	100	110
... SABIX® 336	70	70	70	80	90	100	110

■ screened data cables - electrical characteristics

Conductor size	0.14 mm ² 26 AWG	0.25 mm ² 24AWG	0.34 mm ² 22 AWG	0.50 mm ² 20 AWG	0.75 mm ² 19 AWG	1.00 mm ² 18 AWG	1.50 mm ² 16 AWG
max. conductor resistance at 20 °C in Ω/km acc. to VDE 0812	148	79.9	58	38.9	26	19.5	13.3
capacitance conductor/conductor approx. nF/km for ...							
... PVC	50	50	55	55	60	60	60
... TPE-E	40	50	50	50	60	70	70
... PE	20	20	20	20	20	20	20
... SABIX® 336	30	30	30	30	30	30	35

The mentioned values are approximate values. Capacitance is dependent on cable constructions, screenings and wall thickness of the insulation and, therefore, can be different from above mentioned data.