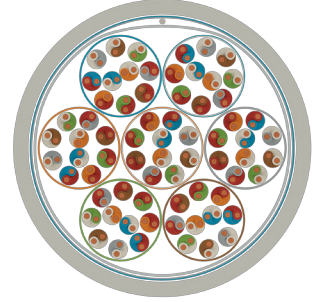


Indoor Telephone Cables

VB-APV

JE-Y(St)Y



Application

- In indoor installations.
- Telephone exchanges and subscriber distributions.
- Signal and data transmission.

Cable Construction

- 1 - Conductor : Class 1 electrolytic solid copper (IEC 60228, DIN VDE 0295, EN 60228)
- 2 - Insulation : PVC (TS IEC 60189-2)
- 3 - Stranding : In layers up to 10 pairs, 20 pairs to 100 pairs consist of stranding of 10 pair groups wrapped with polypropylene identification tape
- 4 - Wrapping : A non-hygroscopic and dielectric polyester tape is applied on the cable core longitudinally or helically. (More than 10 pairs)
- 5 - Screen : Tinned copper earthing wire, Al/PET tape
- 6 - Outer Jacke : UV resistant PVC outer jacket. RAL 7035 (Grey)

Technical Characteristics

Conductor Diameter	Conductor Resistance Ω/km (20 °C)	Insulation Resistance $\text{M}\Omega/\text{km}$	Mutual Capacitance nF/km	Capacitance Unbalance $\text{pF}/500 \text{ m}$	Test Voltage V (DC. 1 minute)
0.40 mm	146.6	500	120	400	1000
0.50 mm	93	500	120	400	1000
0.60 mm	64.6	500	110	400	1000
0.80 mm	37	500	100	400	1000
0.90 mm	28.8	500	100	400	1000

Mechanical Characteristics

Bending Radius	Temperature Range Operating
10xD mm	-30°C~+70°C

Standards

Flame Retardancy Test
IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2

Notes

Reference Standard: DIN VDE 0816, TS IEC 60189-2

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Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.340.1.2.2.0040.0.0001	1	0.4	3.2	4.2	13	100/500/1000
3.340.1.2.2.0040.0.0002	2	0.4	3.9	6.6	19	100/500/1000
3.340.1.2.2.0040.0.0003	3	0.4	4.4	9	24	100/500/1000
3.340.1.2.2.0040.0.0004	4	0.4	5	11.3	30	100/500/1000
3.340.1.2.2.0040.0.0005	5	0.4	5.3	13.7	35	100/500/1000
3.340.1.2.2.0040.0.0006	6	0.4	5.5	16	39	100/500/1000
3.340.1.2.2.0040.0.0007	7	0.4	6	18.4	45	100/500/1000
3.340.1.2.2.0040.0.0008	8	0.4	6.2	20.8	49	100/500/1000
3.340.1.2.2.0040.0.0009	9	0.4	6.5	23.1	54	100/500/1000
3.340.1.2.2.0040.0.0010	10	0.4	6.7	25.5	57	100/500/1000
3.340.1.2.2.0040.0.0012	12	0.4	7.2	30.2	67	100/500/1000
3.340.1.2.2.0040.0.0014	14	0.4	7.6	34.9	75	100/500/1000
3.340.1.2.2.0040.0.0015	15	0.4	7.8	37.3	79	100/500/1000
3.340.1.2.2.0040.0.0016	16	0.4	8	39.6	82	100/500/1000
3.340.1.2.2.0040.0.0020	20	0.4	7.7	49.3	97	100/500/1000
3.340.1.2.2.0040.0.0025	25	0.4	9.5	60.8	118	100/500/1000
3.340.1.2.2.0040.0.0030	30	0.4	10.3	73	141	100/500/1000
3.340.1.2.2.0040.0.0040	40	0.4	11.5	96.7	182	100/500/1000
3.340.1.2.2.0040.0.0050	50	0.4	12.6	120.4	219	100/500/1000
3.340.1.2.2.0040.0.0060	60	0.4	13.9	144.1	265	100/500/1000
3.340.1.2.2.0040.0.0070	70	0.4	14.6	167.8	303	100/500/1000
3.340.1.2.2.0040.0.0080	80	0.4	15.6	191.4	340	100/500/1000
3.340.1.2.2.0040.0.0100	100	0.4	17.1	243.5	417	100/500/1000
3.340.1.2.2.0040.0.0120	120	0.4	18.2	291.8	487	100/500/1000
3.340.1.2.2.0040.0.0150	150	0.4	21.4	364.4	603	100/500/1000
3.340.1.2.2.0040.0.0200	200	0.4	23.5	485.3	769	100/500/1000
3.340.1.2.2.0040.0.0250	250	0.4	26.7	606.1	979	100/500/1000
3.340.1.2.2.0040.0.0300	300	0.4	28.8	727	1153	100/500/1000
3.340.1.2.2.0040.0.0400	400	0.4	32.3	968.6	1493	100/500/1000
3.340.1.2.2.0040.0.0500	500	0.4	36.8	1210.3	1840	100/500/1000
3.340.1.2.2.0040.0.0600	600	0.4	39.9	1452	2177	100/500/1000

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Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.340.1.2.2.0050.0.0001	1	0.5	3.4	5.6	16	100/500/1000
3.340.1.2.2.0050.0.0002	2	0.5	4.2	9.3	23	100/500/1000
3.340.1.2.2.0050.0.0003	3	0.5	4.8	12.9	31	100/500/1000
3.340.1.2.2.0050.0.0004	4	0.5	5.6	16.7	38	100/500/1000
3.340.1.2.2.0050.0.0005	5	0.5	5.9	20.3	45	100/500/1000
3.340.1.2.2.0050.0.0006	6	0.5	6.1	24	51	100/500/1000
3.340.1.2.2.0050.0.0007	7	0.5	6.6	27.7	57	100/500/1000
3.340.1.2.2.0050.0.0008	8	0.5	6.9	31.4	64	100/500/1000
3.340.1.2.2.0050.0.0009	9	0.5	7.2	35	70	100/500/1000
3.340.1.2.2.0050.0.0010	10	0.5	7.5	38.7	76	100/500/1000
3.340.1.2.2.0050.0.0012	12	0.5	8.1	46.1	89	100/500/1000
3.340.1.2.2.0050.0.0014	14	0.5	8.6	53.5	100	100/500/1000
3.340.1.2.2.0050.0.0015	15	0.5	8.8	57.2	106	100/500/1000
3.340.1.2.2.0050.0.0016	16	0.5	9	60.8	111	100/500/1000
3.340.1.2.2.0050.0.0020	20	0.5	8.8	75.9	133	100/500/1000
3.340.1.2.2.0050.0.0025	25	0.5	10.8	94	162	100/500/1000
3.340.1.2.2.0050.0.0030	30	0.5	11.8	113	195	100/500/1000
3.340.1.2.2.0050.0.0040	40	0.5	13.2	150	253	100/500/1000
3.340.1.2.2.0050.0.0050	50	0.5	14.7	187	313	100/500/1000
3.340.1.2.2.0050.0.0060	60	0.5	16	224	370	100/500/1000
3.340.1.2.2.0050.0.0070	70	0.5	16.8	261.1	425	100/500/1000
3.340.1.2.2.0050.0.0080	80	0.5	17.9	298.1	478	100/500/1000
3.340.1.2.2.0050.0.0100	100	0.5	19.7	379.3	590	100/500/1000
3.340.1.2.2.0050.0.0120	120	0.5	21	454.8	693	100/500/1000
3.340.1.2.2.0050.0.0150	150	0.5	24.8	568.3	860	100/500/1000
3.340.1.2.2.0050.0.0200	200	0.5	27.7	757.2	1132	100/500/1000
3.340.1.2.2.0050.0.0250	250	0.5	30.7	946	1388	100/500/1000
3.340.1.2.2.0050.0.0300	300	0.5	33.4	1134.8	1657	100/500/1000
3.340.1.2.2.0050.0.0400	400	0.5	37.5	1512.4	2159	100/500/1000
3.340.1.2.2.0050.0.0500	500	0.5	42.8	1890.1	2668	100/500/1000
3.340.1.2.2.0050.0.0600	600	0.5	46.5	2267.7	3167	100/500/1000

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Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.340.1.2.2.0060.0.0001	1	0.6	4	7.2	21	100/500/1000
3.340.1.2.2.0060.0.0002	2	0.6	5.1	12.5	32	100/500/1000
3.340.1.2.2.0060.0.0003	3	0.6	5.8	17.8	43	100/500/1000
3.340.1.2.2.0060.0.0004	4	0.6	6.8	23.1	53	100/500/1000
3.340.1.2.2.0060.0.0005	5	0.6	7.1	28.5	63	100/500/1000
3.340.1.2.2.0060.0.0006	6	0.6	7.5	33.7	72	100/500/1000
3.340.1.2.2.0060.0.0007	7	0.6	8	39	81	100/500/1000
3.340.1.2.2.0060.0.0008	8	0.6	8.4	44.3	91	100/500/1000
3.340.1.2.2.0060.0.0009	9	0.6	8.8	49.6	100	100/500/1000
3.340.1.2.2.0060.0.0010	10	0.6	9.1	54.9	106	100/500/1000
3.340.1.2.2.0060.0.0012	12	0.6	9.8	65.6	124	100/500/1000
3.340.1.2.2.0060.0.0014	14	0.6	10.5	76.2	141	100/500/1000
3.340.1.2.2.0060.0.0015	15	0.6	10.7	81.5	149	100/500/1000
3.340.1.2.2.0060.0.0016	16	0.6	11	86.8	158	100/500/1000
3.340.1.2.2.0060.0.0020	20	0.6	10.7	108.5	191	100/500/1000
3.340.1.2.2.0060.0.0025	25	0.6	13.3	134.5	232	100/500/1000
3.340.1.2.2.0060.0.0030	30	0.6	14.7	161.8	281	100/500/1000
3.340.1.2.2.0060.0.0040	40	0.6	16.4	215.1	365	100/500/1000
3.340.1.2.2.0060.0.0050	50	0.6	18.2	268.5	445	100/500/1000
3.340.1.2.2.0060.0.0060	60	0.6	19.8	321.8	532	100/500/1000
3.340.1.2.2.0060.0.0070	70	0.6	20.9	375.1	618	100/500/1000
3.340.1.2.2.0060.0.0080	80	0.6	22.4	428.4	697	100/500/1000
3.340.1.2.2.0060.0.0100	100	0.6	24.7	545.4	864	100/500/1000
3.340.1.2.2.0060.0.0120	120	0.6	26.4	654.1	1017	100/500/1000
3.340.1.2.2.0060.0.0150	150	0.6	31.1	817.6	1258	100/500/1000
3.340.1.2.2.0060.0.0200	200	0.6	34.7	1089.5	1652	100/500/1000
3.340.1.2.2.0060.0.0250	250	0.6	39	1361.4	2070	100/500/1000
3.340.1.2.2.0060.0.0300	300	0.6	42.3	1633.3	2452	100/500/1000
3.340.1.2.2.0060.0.0400	400	0.6	47.5	2177.1	3204	100/500/1000
3.340.1.2.2.0060.0.0500	500	0.6	54.5	2720.9	3968	100/500/1000
3.340.1.2.2.0060.0.0600	600	0.6	59.2	3264.7	4716	100/500/1000

VB-APV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.340.1.2.2.0080.0.0001	1	0.8	4.7	11.3	29	100/500/1000
3.340.1.2.2.0080.0.0002	2	0.8	6	20.8	47	100/500/1000
3.340.1.2.2.0080.0.0003	3	0.8	6.9	30.2	63	100/500/1000
3.340.1.2.2.0080.0.0004	4	0.8	8.2	39.6	81	100/500/1000
3.340.1.2.2.0080.0.0005	5	0.8	8.6	49.1	96	100/500/1000
3.340.1.2.2.0080.0.0006	6	0.8	9	58.5	110	100/500/1000
3.340.1.2.2.0080.0.0007	7	0.8	9.7	67.9	125	100/500/1000
3.340.1.2.2.0080.0.0008	8	0.8	10.2	77.3	141	100/500/1000
3.340.1.2.2.0080.0.0009	9	0.8	10.7	86.8	155	100/500/1000
3.340.1.2.2.0080.0.0010	10	0.8	11.1	96.2	166	100/500/1000
3.340.1.2.2.0080.0.0012	12	0.8	11.9	115.1	192	100/500/1000
3.340.1.2.2.0080.0.0014	14	0.8	12.8	133.9	223	100/500/1000
3.340.1.2.2.0080.0.0015	15	0.8	13.2	143.4	237	100/500/1000
3.340.1.2.2.0080.0.0016	16	0.8	13.5	152.8	250	100/500/1000
3.340.1.2.2.0080.0.0020	20	0.8	13.3	191.4	310	100/500/1000
3.340.1.2.2.0080.0.0025	25	0.8	16.5	237.7	377	100/500/1000
3.340.1.2.2.0080.0.0030	30	0.8	18.8	286.2	476	100/500/1000
3.340.1.2.2.0080.0.0040	40	0.8	20.7	381	607	100/500/1000
3.340.1.2.2.0080.0.0050	50	0.8	22.9	475.8	741	100/500/1000
3.340.1.2.2.0080.0.0060	60	0.8	24.8	570.6	874	100/500/1000
3.340.1.2.2.0080.0.0070	70	0.8	26	665.3	1007	100/500/1000
3.340.1.2.2.0080.0.0080	80	0.8	27.9	760.1	1140	100/500/1000
3.340.1.2.2.0080.0.0100	100	0.8	30.9	968.2	1428	100/500/1000
3.340.1.2.2.0080.0.0120	120	0.8	33.1	1161.4	1687	100/500/1000
3.340.1.2.2.0080.0.0150	150	0.8	39.2	1452	2110	100/500/1000
3.340.1.2.2.0080.0.0200	200	0.8	43.8	1935.4	2774	100/500/1000
3.340.1.2.2.0080.0.0250	250	0.8	48.7	2418.8	3423	100/500/1000
3.340.1.2.2.0080.0.0300	300	0.8	52.9	2902.1	4067	100/500/1000
3.340.1.2.2.0080.0.0400	400	0.8	59.6	3868.9	5342	100/500/1000
3.340.1.2.2.0080.0.0500	500	0.8	68.4	4835.6	6631	100/500/1000
3.340.1.2.2.0080.0.0600	600	0.8	74.4	5802.4	7900	100/500/1000

VB-APV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.340.1.2.2.0090.0.0001	1	0.9	5.2	13.8	35	100/500/1000
3.340.1.2.2.0090.0.0002	2	0.9	6.7	25.8	57	100/500/1000
3.340.1.2.2.0090.0.0003	3	0.9	7.7	37.7	78	100/500/1000
3.340.1.2.2.0090.0.0004	4	0.9	9.2	49.6	100	100/500/1000
3.340.1.2.2.0090.0.0005	5	0.9	9.6	61.9	120	100/500/1000
3.340.1.2.2.0090.0.0006	6	0.9	10.1	73.9	137	100/500/1000
3.340.1.2.2.0090.0.0007	7	0.9	10.9	85.5	156	100/500/1000
3.340.1.2.2.0090.0.0008	8	0.9	11.4	97.4	176	100/500/1000
3.340.1.2.2.0090.0.0009	9	0.9	11.9	109.3	193	100/500/1000
3.340.1.2.2.0090.0.0010	10	0.9	12.4	121.3	211	100/500/1000
3.340.1.2.2.0090.0.0012	12	0.9	13.4	145.1	241	100/500/1000
3.340.1.2.2.0090.0.0014	14	0.9	14.5	169	283	100/500/1000
3.340.1.2.2.0090.0.0015	15	0.9	14.9	180.9	300	100/500/1000
3.340.1.2.2.0090.0.0016	16	0.9	15.3	192.9	318	100/500/1000
3.340.1.2.2.0090.0.0020	20	0.9	15.3	241.8	400	100/500/1000
3.340.1.2.2.0090.0.0025	25	0.9	18.9	301.8	489	100/500/1000
3.340.1.2.2.0090.0.0030	30	0.9	21.1	361.8	591	100/500/1000
3.340.1.2.2.0090.0.0040	40	0.9	23.3	481.7	758	100/500/1000
3.340.1.2.2.0090.0.0050	50	0.9	26	601.7	940	100/500/1000
3.340.1.2.2.0090.0.0060	60	0.9	28.2	721.6	1108	100/500/1000
3.340.1.2.2.0090.0.0070	70	0.9	29.5	841.6	1271	100/500/1000
3.340.1.2.2.0090.0.0080	80	0.9	31.7	961.5	1447	100/500/1000
3.340.1.2.2.0090.0.0100	100	0.9	35.1	1224.8	1813	100/500/1000
3.340.1.2.2.0090.0.0120	120	0.9	37.6	1469.4	2143	100/500/1000
3.340.1.2.2.0090.0.0150	150	0.9	44.4	1837.2	2659	100/500/1000
3.340.1.2.2.0090.0.0200	200	0.9	49.6	2449	3501	100/500/1000
3.340.1.2.2.0090.0.0250	250	0.9	55.2	3060.7	4326	100/500/1000
3.340.1.2.2.0090.0.0300	300	0.9	60	3672.5	5145	100/500/1000
3.340.1.2.2.0090.0.0400	400	0.9	67.6	4896	6769	100/500/1000
3.340.1.2.2.0090.0.0500	500	0.9	77.7	6119.6	8409	100/500/1000
3.340.1.2.2.0090.0.0600	600	0.9	84.6	7343.1	10026	100/500/1000