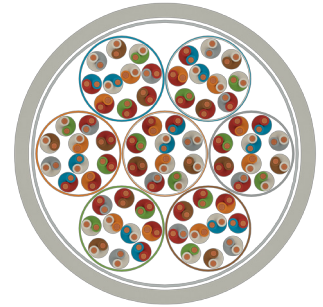


Indoor Telephone Cables

VBV

J-YY

TSEK EAC RoHS REACH CE



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 - Outer Jacket: 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: TS IEC 60189-2

VBV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.320.1.2.2.0040.0.0001	1	0.4	2.8	3.6	11	100/500/1000
3.320.1.2.2.0040.0.0002	2	0.4	3.2	5.9	15	100/500/1000
3.320.1.2.2.0040.0.0003	3	0.4	3.8	8.3	20	100/500/1000
3.320.1.2.2.0040.0.0004	4	0.4	4.5	10.7	26	100/500/1000
3.320.1.2.2.0040.0.0005	5	0.4	4.8	13	30	100/500/1000
3.320.1.2.2.0040.0.0006	6	0.4	5	15.4	34	100/500/1000
3.320.1.2.2.0040.0.0007	7	0.4	5.4	17.7	40	100/500/1000
3.320.1.2.2.0040.0.0008	8	0.4	5.6	20.1	43	100/500/1000
3.320.1.2.2.0040.0.0009	9	0.4	6	22.4	49	100/500/1000
3.320.1.2.2.0040.0.0010	10	0.4	6.3	26	56	100/500/1000
3.320.1.2.2.0040.0.0012	12	0.4	6.8	30.7	64	100/500/1000
3.320.1.2.2.0040.0.0014	14	0.4	7.3	35.4	73	100/500/1000
3.320.1.2.2.0040.0.0015	15	0.4	7.5	37.8	77	100/500/1000
3.320.1.2.2.0040.0.0016	16	0.4	7.7	40.1	81	100/500/1000
3.320.1.2.2.0040.0.0020	20	0.4	7.6	49.8	96	100/500/1000
3.320.1.2.2.0040.0.0025	25	0.4	9.2	61.4	117	100/500/1000
3.320.1.2.2.0040.0.0030	30	0.4	10.1	73.5	138	100/500/1000
3.320.1.2.2.0040.0.0033	33	0.4	10.3	80.6	152	100/500/1000
3.320.1.2.2.0040.0.0040	40	0.4	11.2	97.2	179	100/500/1000
3.320.1.2.2.0040.0.0050	50	0.4	12.3	120.9	215	100/500/1000
3.320.1.2.2.0040.0.0060	60	0.4	13.5	144.6	257	100/500/1000
3.320.1.2.2.0040.0.0070	70	0.4	14	168.3	291	100/500/1000
3.320.1.2.2.0040.0.0080	80	0.4	15.2	192	335	100/500/1000
3.320.1.2.2.0040.0.0100	100	0.4	17.1	241.6	411	100/500/1000
3.320.1.2.2.0040.0.0120	120	0.4	18.2	289.9	481	100/500/1000
3.320.1.2.2.0040.0.0150	150	0.4	21.2	362.4	592	100/500/1000
3.320.1.2.2.0040.0.0200	200	0.4	23.4	483.2	763	100/500/1000
3.320.1.2.2.0040.0.0250	250	0.4	26.1	604	947	100/500/1000
3.320.1.2.2.0040.0.0300	300	0.4	28.7	724.8	1146	100/500/1000
3.320.1.2.2.0040.0.0400	400	0.4	32.1	966.3	1486	100/500/1000
3.320.1.2.2.0040.0.0500	500	0.4	36.7	1207.9	1837	100/500/1000
3.320.1.2.2.0040.0.0600	600	0.4	39.8	1449.5	2173	100/500/1000

VBV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.320.1.2.2.0050.0.0001	1	0.5	3.1	5.5	14	100/500/1000
3.320.1.2.2.0050.0.0002	2	0.5	3.5	9.2	20	100/500/1000
3.320.1.2.2.0050.0.0003	3	0.5	4.3	12.9	27	100/500/1000
3.320.1.2.2.0050.0.0004	4	0.5	5.1	16.6	34	100/500/1000
3.320.1.2.2.0050.0.0005	5	0.5	5.4	20.3	41	100/500/1000
3.320.1.2.2.0050.0.0006	6	0.5	5.6	24	46	100/500/1000
3.320.1.2.2.0050.0.0007	7	0.5	6.1	27.7	53	100/500/1000
3.320.1.2.2.0050.0.0008	8	0.5	6.4	31.4	59	100/500/1000
3.320.1.2.2.0050.0.0009	9	0.5	6.7	35	66	100/500/1000
3.320.1.2.2.0050.0.0010	10	0.5	7.2	40.6	76	100/500/1000
3.320.1.2.2.0050.0.0012	12	0.5	7.7	47.9	87	100/500/1000
3.320.1.2.2.0050.0.0014	14	0.5	8.3	55.3	100	100/500/1000
3.320.1.2.2.0050.0.0015	15	0.5	8.5	59	106	100/500/1000
3.320.1.2.2.0050.0.0016	16	0.5	8.7	62.7	111	100/500/1000
3.320.1.2.2.0050.0.0020	20	0.5	8.6	77.8	132	100/500/1000
3.320.1.2.2.0050.0.0025	25	0.5	10.5	95.8	163	100/500/1000
3.320.1.2.2.0050.0.0030	30	0.5	11.5	114.8	192	100/500/1000
3.320.1.2.2.0050.0.0033	33	0.5	11.5	125.9	206	100/500/1000
3.320.1.2.2.0050.0.0040	40	0.5	12.7	151.8	244	100/500/1000
3.320.1.2.2.0050.0.0050	50	0.5	14.2	188.9	303	100/500/1000
3.320.1.2.2.0050.0.0060	60	0.5	15.5	225.9	362	100/500/1000
3.320.1.2.2.0050.0.0070	70	0.5	16.1	262.9	412	100/500/1000
3.320.1.2.2.0050.0.0080	80	0.5	17.5	299.9	473	100/500/1000
3.320.1.2.2.0050.0.0100	100	0.5	19.7	374	580	100/500/1000
3.320.1.2.2.0050.0.0120	120	0.5	21	448	680	100/500/1000
3.320.1.2.2.0050.0.0150	150	0.5	24.5	566.2	847	100/500/1000
3.320.1.2.2.0050.0.0200	200	0.5	27.2	755	1098	100/500/1000
3.320.1.2.2.0050.0.0250	250	0.5	30.3	943.7	1366	100/500/1000
3.320.1.2.2.0050.0.0300	300	0.5	33.3	1132.4	1650	100/500/1000
3.320.1.2.2.0050.0.0400	400	0.5	37.4	1509.9	2151	100/500/1000
3.320.1.2.2.0050.0.0500	500	0.5	42.7	1887.3	2664	100/500/1000
3.320.1.2.2.0050.0.0600	600	0.5	46.4	2264.8	3160	100/500/1000

VBV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.320.1.2.2.0060.0.0001	1	0.6	3.7	8	20	100/500/1000
3.320.1.2.2.0060.0.0002	2	0.6	4.3	13.2	29	100/500/1000
3.320.1.2.2.0060.0.0003	3	0.6	5.3	18.6	39	100/500/1000
3.320.1.2.2.0060.0.0004	4	0.6	6.2	23.9	50	100/500/1000
3.320.1.2.2.0060.0.0005	5	0.6	6.6	29.2	59	100/500/1000
3.320.1.2.2.0060.0.0006	6	0.6	6.9	34.5	67	100/500/1000
3.320.1.2.2.0060.0.0007	7	0.6	7.6	39.8	78	100/500/1000
3.320.1.2.2.0060.0.0008	8	0.6	7.9	45.1	86	100/500/1000
3.320.1.2.2.0060.0.0009	9	0.6	8.2	50.5	94	100/500/1000
3.320.1.2.2.0060.0.0010	10	0.6	8.8	58.4	108	100/500/1000
3.320.1.2.2.0060.0.0012	12	0.6	9.4	69	125	100/500/1000
3.320.1.2.2.0060.0.0014	14	0.6	10.1	79.6	144	100/500/1000
3.320.1.2.2.0060.0.0015	15	0.6	10.4	84.9	152	100/500/1000
3.320.1.2.2.0060.0.0016	16	0.6	10.7	90.2	160	100/500/1000
3.320.1.2.2.0060.0.0020	20	0.6	10.5	112	191	100/500/1000
3.320.1.2.2.0060.0.0025	25	0.6	13	138	235	100/500/1000
3.320.1.2.2.0060.0.0030	30	0.6	14.3	165.3	279	100/500/1000
3.320.1.2.2.0060.0.0033	33	0.6	14.5	181.3	307	100/500/1000
3.320.1.2.2.0060.0.0040	40	0.6	16	218.6	364	100/500/1000
3.320.1.2.2.0060.0.0050	50	0.6	17.7	271.9	442	100/500/1000
3.320.1.2.2.0060.0.0060	60	0.6	19.3	325.3	528	100/500/1000
3.320.1.2.2.0060.0.0070	70	0.6	20.2	378.6	603	100/500/1000
3.320.1.2.2.0060.0.0080	80	0.6	21.8	431.9	692	100/500/1000
3.320.1.2.2.0060.0.0100	100	0.6	24.7	543.6	856	100/500/1000
3.320.1.2.2.0060.0.0120	120	0.6	26.4	652.3	1008	100/500/1000
3.320.1.2.2.0060.0.0150	150	0.6	31	815.4	1250	100/500/1000
3.320.1.2.2.0060.0.0200	200	0.6	34.6	1087.1	1643	100/500/1000
3.320.1.2.2.0060.0.0250	250	0.6	38.4	1358.9	2024	100/500/1000
3.320.1.2.2.0060.0.0300	300	0.6	42.1	1630.7	2443	100/500/1000
3.320.1.2.2.0060.0.0400	400	0.6	47.4	2174.2	3195	100/500/1000
3.320.1.2.2.0060.0.0500	500	0.6	54.3	2717.7	3962	100/500/1000
3.320.1.2.2.0060.0.0600	600	0.6	59.1	3261.3	4706	100/500/1000

VBV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.320.1.2.2.0080.0.0001	1	0.8	4.5	14.1	30	100/500/1000
3.320.1.2.2.0080.0.0002	2	0.8	5.2	23.5	45	100/500/1000
3.320.1.2.2.0080.0.0003	3	0.8	6.4	33.1	62	100/500/1000
3.320.1.2.2.0080.0.0004	4	0.8	7.7	42.5	78	100/500/1000
3.320.1.2.2.0080.0.0005	5	0.8	8.1	51.9	93	100/500/1000
3.320.1.2.2.0080.0.0006	6	0.8	8.5	61.4	107	100/500/1000
3.320.1.2.2.0080.0.0007	7	0.8	9.3	70.8	124	100/500/1000
3.320.1.2.2.0080.0.0008	8	0.8	9.7	80.2	137	100/500/1000
3.320.1.2.2.0080.0.0009	9	0.8	10.1	89.7	151	100/500/1000
3.320.1.2.2.0080.0.0010	10	0.8	10.7	103.8	173	100/500/1000
3.320.1.2.2.0080.0.0012	12	0.8	11.6	122.7	201	100/500/1000
3.320.1.2.2.0080.0.0014	14	0.8	12.5	141.5	231	100/500/1000
3.320.1.2.2.0080.0.0015	15	0.8	12.8	151	244	100/500/1000
3.320.1.2.2.0080.0.0016	16	0.8	13.2	160.4	258	100/500/1000
3.320.1.2.2.0080.0.0020	20	0.8	13	199.1	314	100/500/1000
3.320.1.2.2.0080.0.0025	25	0.8	16.2	245.3	386	100/500/1000
3.320.1.2.2.0080.0.0030	30	0.8	18.3	293.9	476	100/500/1000
3.320.1.2.2.0080.0.0033	33	0.8	18.3	322.3	512	100/500/1000
3.320.1.2.2.0080.0.0040	40	0.8	20.2	388.6	608	100/500/1000
3.320.1.2.2.0080.0.0050	50	0.8	22.3	483.4	741	100/500/1000
3.320.1.2.2.0080.0.0060	60	0.8	24.1	578.2	872	100/500/1000
3.320.1.2.2.0080.0.0070	70	0.8	25.2	673	999	100/500/1000
3.320.1.2.2.0080.0.0080	80	0.8	27.3	767.8	1143	100/500/1000
3.320.1.2.2.0080.0.0100	100	0.8	30.9	966.3	1419	100/500/1000
3.320.1.2.2.0080.0.0120	120	0.8	33.1	1159.6	1677	100/500/1000
3.320.1.2.2.0080.0.0150	150	0.8	39.1	1449.5	2101	100/500/1000
3.320.1.2.2.0080.0.0200	200	0.8	43.7	1932.6	2764	100/500/1000
3.320.1.2.2.0080.0.0250	250	0.8	48.6	2415.8	3413	100/500/1000
3.320.1.2.2.0080.0.0300	300	0.8	52.8	2898.9	4056	100/500/1000
3.320.1.2.2.0080.0.0400	400	0.8	59.5	3865.2	5329	100/500/1000
3.320.1.2.2.0080.0.0500	500	0.8	68.3	4831.5	6621	100/500/1000
3.320.1.2.2.0080.0.0600	600	0.8	74.3	5797.8	7885	100/500/1000

VBV

Part Number	Pair Count	Conductor Diameter (mm)	Approx. Cable Diameter (mm)	Copper Weight (kg/km)	Approx. Weight (kg/km)	Packing Lengths (m)
3.320.1.2.2.0090.0.0001	1	0.9	5	17.9	38	100/500/1000
3.320.1.2.2.0090.0.0002	2	0.9	5.9	29.7	56	100/500/1000
3.320.1.2.2.0090.0.0003	3	0.9	7.2	41.8	78	100/500/1000
3.320.1.2.2.0090.0.0004	4	0.9	8.6	53.8	98	100/500/1000
3.320.1.2.2.0090.0.0005	5	0.9	9.1	65.7	117	100/500/1000
3.320.1.2.2.0090.0.0006	6	0.9	9.6	77.6	134	100/500/1000
3.320.1.2.2.0090.0.0007	7	0.9	10.4	89.6	153	100/500/1000
3.320.1.2.2.0090.0.0008	8	0.9	10.9	101.5	172	100/500/1000
3.320.1.2.2.0090.0.0009	9	0.9	11.4	113.5	190	100/500/1000
3.320.1.2.2.0090.0.0010	10	0.9	12.1	131.4	218	100/500/1000
3.320.1.2.2.0090.0.0012	12	0.9	13.2	155.2	256	100/500/1000
3.320.1.2.2.0090.0.0014	14	0.9	14.2	179.1	294	100/500/1000
3.320.1.2.2.0090.0.0015	15	0.9	14.6	191	311	100/500/1000
3.320.1.2.2.0090.0.0016	16	0.9	15	203	329	100/500/1000
3.320.1.2.2.0090.0.0020	20	0.9	14.9	252	406	100/500/1000
3.320.1.2.2.0090.0.0025	25	0.9	18.6	310.4	500	100/500/1000
3.320.1.2.2.0090.0.0030	30	0.9	20.5	371.9	594	100/500/1000
3.320.1.2.2.0090.0.0033	33	0.9	20.5	407.9	640	100/500/1000
3.320.1.2.2.0090.0.0040	40	0.9	22.7	491.9	760	100/500/1000
3.320.1.2.2.0090.0.0050	50	0.9	25.3	611.8	941	100/500/1000
3.320.1.2.2.0090.0.0060	60	0.9	27.4	731.8	1108	100/500/1000
3.320.1.2.2.0090.0.0070	70	0.9	28.7	851.7	1270	100/500/1000
3.320.1.2.2.0090.0.0080	80	0.9	31	971.7	1452	100/500/1000
3.320.1.2.2.0090.0.0100	100	0.9	35.1	1223	1803	100/500/1000
3.320.1.2.2.0090.0.0120	120	0.9	37.6	1467.6	2133	100/500/1000
3.320.1.2.2.0090.0.0150	150	0.9	44.3	1834.5	2649	100/500/1000
3.320.1.2.2.0090.0.0200	200	0.9	49.5	2446	3490	100/500/1000
3.320.1.2.2.0090.0.0250	250	0.9	55	3057.4	4314	100/500/1000
3.320.1.2.2.0090.0.0300	300	0.9	59.8	3668.9	5133	100/500/1000
3.320.1.2.2.0090.0.0400	400	0.9	67.5	4891.9	6755	100/500/1000
3.320.1.2.2.0090.0.0500	500	0.9	77.6	6114.8	8397	100/500/1000
3.310.1.5.3.0090.0.0600	600	0.9	81.9	7341.3	8724	100/500/1000