

CONTROL CABLE

FLEXIBLE, NUMBER CODED, PVC PVC

Construction

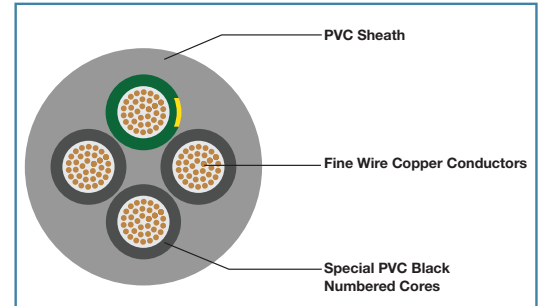
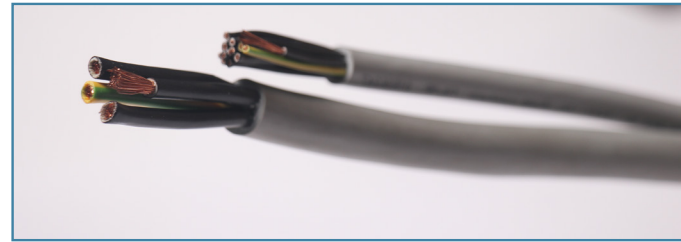
Fine wire copper conductors. Core insulation of special PVC Z 7225. Black cores with continuous white numbering. Green-yellow earth core in the outer layer (3 cores and above). Cores stranded in layers with optimal lay-length. Grey PVC outer sheath. Oil resistant and chemical resistant.

Applications

For use as a data cable in control circuits, in tool-making and machine industries as well as a signal cable in computer systems and electronics. The more usual PVC inner sheath has been replaced in these cables by a stabilising foil separator, thus reducing the total diameter of the cables considerably and thereby reducing the bending radius, total weight etc.

Packaging

Available in 500 metre drums.
Cut lengths available on request.



Specification

Nominal Voltage	300 / 500 V
Test Voltage	4000 V
Break Down Voltage	Min. 8000 V
Temperature Range	Flexing: -15°C to +80°C Fixed Installation: -40°C to +80°C
Minimum Bending Radius	Flexing: 7.5 x cable Ø Fixed Installation: 4 x cable Ø
Flexibility Class	5
Insulation Resistance	Min. 20 MOhm x km
Radiation Resistance	Up to 80 x 10 ⁶ cJ/kg (Up to 80 Mrad)
Sheath Colour	Grey



Part No.	No. Cores x Cross Section mm ²	Outer Ø Approx. mm	Cop. Weight kg/km	Weight Approx. kg/km	AWG-No.	Part No.	No. Cores x Cross Section mm ²	Outer Ø Approx. mm	Cop. Weight kg/km	Weight Approx. kg/km	AWG-No.
Y005002	2 x 0.5	4.9	9.6	40.0	20	Y005032	32 x 0.5	14.3	154.0	323.0	20
Y005003	3 x 0.5	5.2	14.4	46.0	20	Y005034	34 x 0.5	14.9	163.0	362.0	20
Y005004	4 x 0.5	5.6	19.0	56.0	20	Y005040	40 x 0.5	15.6	192.0	434.0	20
Y005005	5 x 0.5	6.3	24.0	65.0	20	Y005042	42 x 0.5	16.1	202.0	449.0	20
Y005006	6 x 0.5	6.9	29.0	75.0	20	Y005050	50 x 0.5	17.9	240.0	513.0	20
Y005007	7 x 0.5	6.9	33.6	80.0	20	Y005052	52 x 0.5	17.9	252.0	534.0	20
Y005008	8 x 0.5	7.4	38.0	97.0	20	Y005061	61 x 0.5	19.0	293.0	625.0	20
Y005010	10 x 0.5	8.3	48.0	116.0	20	Y005065	65 x 0.5	19.7	312.0	682.0	20
Y005012	12 x 0.5	8.8	58.0	135.0	20	Y005080	80 x 0.5	21.8	384.0	780.0	20
Y005015	14 x 0.5	9.7	67.0	150.0	20	Y005100	100 x 0.5	24.3	480.0	980.0	20
Y005016	16 x 0.5	10.2	76.0	175.0	20						
Y005018	18 x 0.5	11.0	86.0	196.0	20	Y007502	2 x 0.75	5.3	14.4	46.0	18
Y005020	20 x 0.5	11.5	96.0	215.0	20	Y007503	3 x 0.75	5.6	21.6	54.0	18
Y005021	21 x 0.5	11.5	101.0	240.0	20	Y007504	4 x 0.75	6.3	29.0	66.0	18
Y005025	25 x 0.5	12.9	120.0	270.0	20	Y007505	5 x 0.75	6.9	36.0	80.0	18
Y005030	30 x 0.5	13.8	144.0	310.0	20	Y007506	6 x 0.75	7.5	43.0	99.0	18

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Y007507	7 x 0.75	7.5	50.0	110.0	18	Y015008	8 x 1.5	9.9	115.0	216.0	16
Y007508	8 x 0.75	8.2	58.0	130.0	18	Y015009	9 x 1.5	10.9	129.0	259.0	16
Y007510	10 x 0.75	9.2	72.0	162.0	18	Y015010	10 x 1.5	10.9	144.0	275.0	16
Y007512	12 x 0.75	9.8	86.0	179.0	18	Y015011	11 x 1.5	12.0	158.0	300.0	16
Y007514	14 x 0.75	10.6	101.0	214.0	18	Y015012	12 x 1.5	12.0	173.0	309.0	16
Y007515	15 x 0.75	11.4	108.0	218.0	18	Y015014	14 x 1.5	13.0	202.0	345.0	16
Y007518	18 x 0.75	12.2	130.0	257.0	18	Y015016	16 x 1.5	13.9	230.0	386.0	16
Y007519	19 x 0.75	12.7	137.0	264.0	18	Y015018	18 x 1.5	14.6	259.0	440.0	16
Y007520	20 x 0.75	12.7	144.0	286.0	18	Y015019	19 x 1.5	15.2	279.0	445.0	16
Y007521	21 x 0.75	12.7	151.0	320.0	18	Y015020	20 x 1.5	15.5	288.0	490.0	16
Y007525	25 x 0.75	14.3	180.0	365.0	18	Y015021	21 x 1.5	15.5	302.0	555.0	16
Y007527	27 x 0.75	15.2	195.0	382.0	18	Y015025	25 x 1.5	17.4	360.0	620.0	16
Y007532	32 x 0.75	15.9	230.0	455.0	18	Y015027	27 x 1.5	19.0	389.0	670.0	16
Y007534	34 x 0.75	16.7	245.0	510.0	18	Y015032	32 x 1.5	19.5	461.0	790.0	16
Y007537	37 x 0.75	17.2	266.0	537.0	18	Y015034	34 x 1.5	20.2	490.0	830.0	16
Y007540	40 x 0.75	17.2	288.0	595.0	18	Y015037	37 x 1.5	20.2	533.0	892.0	16
Y007541	41 x 0.75	18.0	296.0	607.0	18	Y015041	41 x 1.5	21.8	591.0	996.0	16
Y007542	42 x 0.75	18.0	302.0	612.0	18	Y015042	42 x 1.5	21.8	605.0	1007.0	16
Y007550	50 x 0.75	19.8	360.0	735.0	18	Y015050	50 x 1.5	24.2	720.0	1250.0	16
Y007561	61 x 0.75	21.2	439.0	845.0	18	Y015056	56 x 1.5	24.9	806.0	1332.0	16
Y007565	65 x 0.75	21.7	468.0	895.0	18	Y015061	61 x 1.5	25.8	878.0	1440.0	16
Y007580	80 x 0.75	24.3	576.0	1070.0	18	Y015065	65 x 1.5	26.7	936.0	1602.0	16
Y0075100	100 x 0.75	27.0	720.0	1322.0	18	Y015080	80 x 1.5	29.8	1152.0	1871.0	16
						Y015100	100 x 1.5	33.2	1440.0	2353.0	16
Y010002	2 x 1	5.6	19.2	60.0	17	Y025002	2 x 2.5	7.8	48.0	112.0	14
Y010003	3 x 1	5.9	29.0	72.0	17	Y025003	3 x 2.5	8.3	72.0	148.0	14
Y010004	4 x 1	6.6	38.4	86.0	17	Y025004	4 x 2.5	9.2	96.0	178.0	14
Y010005	5 x 1	7.3	48.0	104.0	17	Y025005	5 x 2.5	10.1	120.0	221.0	14
Y010006	6 x 1	8.1	58.0	125.0	17	Y025007	7 x 2.5	11.2	168.0	306.0	14
Y010007	7 x 1	8.1	67.0	141.0	17	Y025008	8 x 2.5	12.3	192.0	363.0	14
Y010008	8 x 1	8.7	77.0	175.0	17	Y025012	12 x 2.5	14.8	288.0	498.0	14
Y010009	9 x 1	9.8	86.0	200.0	17	Y025014	14 x 2.5	16.0	336.0	569.0	14
Y010010	10 x 1	9.8	96.0	217.0	17	Y025018	18 x 2.5	18.2	432.0	764.0	14
Y010012	12 x 1	10.4	115.0	230.0	17	Y025021	21 x 2.5	19.1	504.0	914.0	14
Y010014	14 x 1	11.4	134.0	271.0	17	Y025025	25 x 2.5	21.6	600.0	1044.0	14
Y010016	16 x 1	12.3	154.0	300.0	17	Y025034	34 x 2.5	25.0	816.0	1470.0	14
Y010018	18 x 1	12.9	173.0	343.0	17	Y025042	42 x 2.5	27.2	1008.0	1790.0	14
Y010019	19 x 1	13.0	182.0	355.0	17	Y025050	50 x 2.5	30.0	1200.0	2095.0	14
Y010020	20 x 1	13.7	192.0	375.0	17	Y025061	61 x 2.5	32.0	1464.0	2750.0	14
Y010021	21 x 1	13.7	205.0	420.0	17	Y025100	100 x 2.5	41.4	2400.0	4450.0	14
Y010024	24 x 1	14.7	230.0	440.0	17						
Y010025	25 x 1	15.4	240.0	485.0	17	Y040002	2 x 4	9.3	77.0	195.0	12
Y010026	26 x 1	15.6	252.0	500.0	17	Y040003	3 x 4	9.8	115.0	230.0	12
Y010027	27 x 1	15.8	259.0	534.0	17	Y040004	4 x 4	11.0	154.0	295.0	12
Y010030	30 x 1	16.4	308.0	550.0	17	Y040005	5 x 4	12.3	192.0	361.0	12
Y010034	34 x 1	17.9	326.0	650.0	17	Y040007	7 x 4	13.6	269.0	458.0	12
Y010036	36 x 1	17.9	346.0	668.0	17	Y040008	8 x 4	14.6	307.0	590.0	12
Y010037	37 x 1	18.4	355.0	701.0	17	Y040012	12 x 4	17.8	461.0	790.0	12
Y010040	40 x 1	18.5	384.0	755.0	17						
Y010041	41 x 1	19.4	394.0	770.0	17	Y060003	3 x 6	11.9	173.0	355.0	10
Y010052	42 x 1	19.4	403.0	810.0	17	Y060004	4 x 6	13.0	230.0	424.0	10
Y010050	50 x 1	21.2	480.0	936.0	17	Y060005	5 x 6	14.5	288.0	525.0	10
Y010056	56 x 1	21.9	538.0	920.0	17	Y060007	7 x 6	16.2	403.0	625.0	10
Y010061	61 x 1	22.5	586.0	1100.0	17						
Y010065	65 x 1	23.5	628.0	1180.0	17	Y100003	3 x 10	14.8	288.0	540.0	8
Y010080	80 x 1	26.0	768.0	1294.0	17	Y100004	4 x 10	16.4	384.0	701.0	8
Y010100	100 x 1	29.2	960.0	1644.0	17	Y100005	5 x 10	18.3	480.0	858.0	8
						Y100007	7 x 10	20.2	672.0	1106.0	8
Y015002	2 x 1.5	6.4	29.0	70.0	16						
Y015003	3 x 1.5	6.8	43.0	90.0	16	Y160003	3 x 16	18.2	461.0	827.0	6
Y015004	4 x 1.5	7.4	58.0	109.0	16	Y160004	4 x 16	20.0	614.0	1035.0	6
Y015005	5 x 1.5	8.3	72.0	131.0	16	Y160005	5 x 16	22.6	768.0	1259.0	6
Y015006	6 x 1.5	9.2	86.0	157.0	16	Y160007	7 x 16	24.8	1075.0	1780.0	6
Y015007	7 x 1.5	9.2	101.0	184.0	16						

* Larger sizes available on request.