

Instrumentation Cables

500V Pair(s) or Triad(s)

PVC Insulated, Overall Screen, Unarmoured & Armoured, PVC Sheathed Cable

Description: CU/PVC/OS/PVC-UV or CU/PVC/OS/PVC/SWA/PVC-UV

Model Code: POP-UV or POPSP-UV



Application :	This cable is used in machines, measuring instruments, and control systems for the transmission of analogue and digital signals.
Voltage rating :	500V
Construction :	Plain annealed copper (IEC 60228 Class 2), PVC insulated, twisted pair(s) or triad(s), overall screen (aluminium/polyester tape with tinned copper drain wire), unarmoured or galvanized steel wire armoured, UV resistant PVC sheathed cable
Insulation colour :	Pair(s) : Black, White (or with numbering) Triad(s) : Red, Black, White (or with numbering)
Sheath colour :	Black (other colour upon request) Blue (for intrinsically safe system upon request)
Specification :	BS EN 50288-7, IEC 60332-1-2 IEC 60332-3 (upon request)
Operating temperature :	70°C

No. of Pair(s)/ Triad(s)	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable					
	Nominal Area (mm ²)	No./Diam. of Strand (no./mm)		Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)			
1P	0.5	7/0.31	0.6	041P3600	7.3	70	041P3601	12.0	280			
2P				042P3600	10.1	120	042P3601	15.2	395			
4P				044P3600	12.0	170	044P3601	16.9	490			
6P				046P3600	14.4	235	046P3601	19.7	620			
8P				048P3600	16.1	295	048P3601	21.5	705			
10P				040P3600	18.4	360	040P3601	24.4	970			
12P				04BP3600	18.9	400	04BP3601	25.2	1050			
16P				04FP3600	21.0	490	04FP3601	27.2	1205			
20P				04KP3600	23.5	605	04KP3601	29.9	1410			
24P				04RP3600	26.2	725	04RP3601	33.2	1815			
36P				04P23600	30.1	1000	04P23601	37.4	2255			
1T							041T3600	7.4	80	041T3601	12.4	300
2T							042T3600	11.6	150	042T3601	16.7	460
4T							044T3600	13.4	220	044T3601	18.6	575
6T							046T3600	16.0	310	046T3601	21.4	730
10T							040T3600	20.5	485	040T3601	26.8	1180
12T				04BT3600	21.5	550	04BT3601	27.7	1280			
16T				04FT3600	23.7	690	04FT3601	29.1	1500			
24T				04RT3600	29.6	1025	04RT3601	36.8	2255			

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1P	0.75	7/0.37	0.6	051P3600	7.5	75	051P3601	12.6	295
2P				052P3600	11.0	135	052P3601	16.2	430
4P				054P3600	12.8	200	054P3601	17.9	540
6P				056P3600	15.5	280	056P3601	20.7	685
8P				058P3600	17.6	355	058P3601	22.7	810
10P				050P3600	19.6	425	050P3601	25.8	1095
12P				05BP3600	20.4	480	05BP3601	26.4	1165
16P				05FP3600	22.7	605	05FP3601	29.0	1385
20P				05KP3600	25.5	740	05KP3601	32.4	1795
24P				05RP3600	28.4	890	05RP3601	35.5	2080
36P				05P23600	32.6	1245	05P23601	39.8	2595
1T				051T3600	8.0	90	051T3601	12.8	315
2T				052T3600	12.3	175	052T3601	17.4	500
4T				054T3600	14.6	270	054T3601	19.9	655
6T				056T3600	17.3	375	056T3601	22.6	825
10T				050T3600	22.2	595	050T3601	28.7	1350
12T	05BT3600	23.0	670	05BT3601	29.3	1450			
16T	05FT3600	25.7	855	05FT3601	32.6	1920			
24T	05RT3600	32.0	1265	05RT3601	39.4	2615			
1P	1	7/0.43	0.6	061P3600	7.9	85	061P3601	12.7	310
2P				062P3600	11.7	155	062P3601	16.8	470
4P				064P3600	13.6	235	064P3601	18.7	585
6P				066P3600	16.4	330	066P3601	21.6	745
8P				068P3600	18.6	410	068P3601	24.5	1030
10P				060P3600	21.0	505	060P3601	27.0	1200
12P				06BP3600	22.0	575	06BP3601	27.9	1305
16P				06FP3600	24.3	720	06FP3601	30.4	1535
20P				06KP3600	27.2	885	06KP3601	34.2	2010
24P				06RP3600	30.3	1070	06RP3601	37.2	2315
36P				06P23600	34.6	1495	06P23601	42.8	3230
1T				061T3600	8.3	100	061T3601	13.2	335
2T				062T3600	12.9	200	062T3601	18.1	540
4T				064T3600	15.3	305	064T3601	20.6	725
6T				066T3600	18.6	445	066T3601	24.4	1055
10T				060T3600	23.8	700	060T3601	29.9	1510
12T	06BT3600	24.6	795	06BT3601	30.8	1630			
16T	06FT3600	27.4	1020	06FT3601	34.5	2165			
24T	06RT3600	34.2	1520	06RT3601	42.2	3230			

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	Nominal Area (mm ²)	No./Diam. of Strand (mm)		Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Diam. (mm)	Approx. Weight (kg/km)
1P	1.5	7/0.53	0.6	071P3600	8.6	100	071P3601	13.7	340
2P				072P3600	12.6	185	072P3601	17.8	525
4P				074P3600	15.1	295	074P3601	20.5	695
6P				076P3600	18.1	420	076P3601	24.1	1025
8P				078P3600	20.2	525	078P3601	26.4	1215
10P				070P3600	23.1	650	070P3601	29.4	1445
12P				07BP3600	23.9	740	07BP3601	30.3	1550
16P				07FP3600	26.6	945	07FP3601	33.9	2055
20P				07KP3600	29.8	1170	07KP3601	37.1	2420
24P				07RP3600	33.4	1410	07RP3601	41.5	3085
36P				07P23600	38.4	2005	07P23601	46.8	3955
1T				071T3600	9.2	125	071T3601	14.2	380
2T				072T3600	14.5	250	072T3601	19.8	640
4T				074T3600	16.8	405	074T3601	22.1	835
6T				076T3600	20.2	570	076T3601	26.4	1255
10T				070T3600	26.1	920	070T3601	33.2	1990
12T				07BT3600	27.0	1050	07BT3601	34.2	2175
16T				07FT3600	30.3	1355	07FT3601	37.4	2605
24T				07RT3600	37.8	2035	07RT3601	46.4	3960
1P				2.5	7/0.67	0.7	081P3600	10.0	135
2P	082P3600	15.0	260				082P3601	20.2	660
4P	084P3600	17.8	420				084P3601	24.0	1025
6P	086P3600	21.3	600				086P3601	27.7	1320
8P	088P3600	24.2	770				088P3601	30.6	1585
10P	080P3600	27.6	960				080P3601	34.8	2105
12P	08BP3600	28.6	1095				08BP3601	35.7	2285
16P	08FP3600	32.0	1410				08FP3601	39.4	2745
20P	08KP3600	35.8	1745				08KP3601	44.2	3565
24P	08RP3600	40.1	2115				08RP3601	48.7	4160
36P	08P23600	45.4	3010				08P23601	56.2	5905
1T	081T3600	10.7	175				081T3601	15.9	470
2T	082T3600	16.9	355				082T3601	22.2	800
4T	084T3600	20.0	580				084T3601	26.2	1255
6T	086T3600	24.2	840				086T3601	30.5	1655
10T	080T3600	31.3	1360				080T3601	38.6	2670
12T	08BT3600	32.4	1560				08BT3601	39.7	2915
16T	08FT3600	36.4	2045				08FT3601	44.6	3870
24T	08RT3600	45.5	3045				08RT3601	55.4	5885