

Instrumentation Cables

500V Pairs or Triads
PVC Insulated, Individual & Overall Screen, Unarmoured & Armoured,
PVC Sheathed Cable

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

Model Code: PIOP-UV or PIOPSP-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 pairs or triads, individual and overall screen (aluminium/polyester tape with finned copper drain wire), unarmoured or galvanized steel wire armoured, UV resistant PVC sheathed cable
Insulation colour :	Pairs : Black, White (with numbering) Triads : Red, Black, White (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 Pairs/Triads	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
	Nominal Area (mm ²)	No./Diam. of Strand (no./mm)		Part No.	Approx. Overall Diam.	Approx. Weight	Part No.	Approx. Overall Diam.	Approx. Weight
					(mm)	(kg/km)		(mm)	(kg/km)
2P	0.5	7/0.31	0.6	042P3620	11.8	150	042P3621	16.9	465
4P				044P3620	13.7	220	044P3621	19.0	585
6P				046P3620	16.5	305	046P3621	21.7	735
8P				048P3620	18.7	390	048P3621	24.8	1020
10P				040P3620	21.3	485	040P3621	27.3	1195
12P				048P3620	22.1	545	048P3621	28.3	1290
16P				04FP3620	24.6	685	04FP3621	30.4	1690
20P				04KP3620	27.2	840	04KP3621	34.3	1950
24P				04RP3620	30.3	1000	04RP3621	37.4	2245
36P				04P23620	34.9	1405	04P23621	43.3	3165
2T				042T3620	12.9	185	042T3621	18.2	525
4T				044T3620	15.3	285	044T3621	20.7	685
6T				046T3620	18.4	395	046T3621	24.6	1020
10T				040T3620	23.6	620	040T3621	29.8	1410
12T				04BT3620	24.6	700	04BT3621	31.5	1720
16T				04FT3620	27.4	885	04FT3621	34.3	2020
24T	04RT3620	34.0	1320	04RT3621	42.0	3030			

Instrumentation Cables



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

500V Pairs or Triads

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

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

Model Code: PIOP-UV or PIOPSP-UV

No. of Pairs/Triads	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
	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)
2P	0.75	7/0.37	0.6	052P3620	12.5	175	052P3621	17.6	500
4P				054P3620	14.6	260	054P3621	20.0	640
6P				056P3620	17.7	360	056P3621	22.9	815
8P				058P3620	19.9	450	058P3621	25.9	1105
10P				050P3620	22.6	560	050P3621	28.8	1325
12P				05BP3620	23.4	625	05BP3621	29.5	1420
16P				05FP3620	26.1	795	05FP3621	33.2	1880
20P				05KP3620	29.3	980	05KP3621	36.3	2190
24P				05RP3620	32.4	1180	05RP3621	39.7	2530
36P				05P23620	37.4	1660	05P23621	45.7	3550
2T				052T3620	13.9	220	052T3621	19.3	590
4T				054T3620	16.3	325	054T3621	21.5	745
6T				056T3620	19.6	455	056T3621	25.7	1120
10T				050T3620	25.3	730	050T3621	32.1	1775
12T				05BT3620	26.2	825	05BT3621	33.3	1910
16T				05FT3620	29.3	1055	05FT3621	36.3	2265
24T	05RT3620	36.4	1570	05RT3621	44.7	3400			
2P	1	7/0.43	0.6	062P3620	13.1	190	062P3621	18.3	530
4P				064P3620	15.5	295	064P3621	20.8	695
6P				066P3620	18.7	405	066P3621	24.8	1055
8P				068P3620	21.2	520	068P3621	27.2	1135
10P				060P3620	23.9	635	060P3621	30.1	1450
12P				06BP3620	24.9	725	06BP3621	31.7	1760
16P				06FP3620	27.7	920	06FP3621	34.8	2080
20P				06KP3620	31.1	1050	06KP3621	38.4	2460
24P				06RP3620	34.6	1380	06RP3621	42.8	3140
36P				06P23620	39.6	1930	06P23621	48.2	3940
2T				062T3620	14.7	245	062T3621	20.1	635
4T				064T3620	17.1	370	064T3621	23.1	940
6T				066T3620	20.7	534	066T3621	27.0	1235
10T				060T3620	26.7	840	060T3621	33.8	1950
12T				06BT3620	27.9	970	06BT3621	35.0	2140
16T				06FT3620	31.1	1250	06FT3621	38.5	2555
24T	06RT3620	38.8	1855	06RT3621	47.1	3810			

Instrumentation Cables



tel (65) 6367 0107 fax (65) 6365 2963
www.keystone-cable.com

500V Pairs or Triads

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

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

Model Code: PIOP-UV or PIOPSP-UV

No. of Pairs/Triads	Conductor		Insulation Thickness (mm)	Unarmoured Cable			Armoured Cable		
	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)
2P	1.5	7/0.53	0.6	072P3620	14.4	235	072P3621	19.8	585
4P				074P3620	17.1	360	074P3621	22.3	800
6P				076P3620	20.6	510	076P3621	26.6	1195
8P				078P3620	23.1	640	078P3621	29.2	1420
10P				070P3620	26.4	800	070P3621	33.4	1905
12P				07BP3620	27.4	920	07BP3621	34.4	2060
16P				07FP3620	30.6	1175	07FP3621	37.7	2465
20P				07KP3620	34.1	1450	07KP3621	42.5	3185
24P				07RP3620	38.1	1745	07RP3621	46.5	3690
36P				07P23620	43.9	2470	07P23621	53.6	5190
2T				072T3620	16.1	290	072T3621	21.4	715
4T				074T3620	18.9	465	074T3621	25.0	1100
6T				076T3620	22.7	665	076T3621	29.0	1445
10T				070T3620	29.4	1075	070T3621	36.5	2300
12T				07BT3620	30.7	1245	07BT3621	38.0	2530
16T				07FT3620	34.2	1600	07FT3621	42.5	3335
24T				07RT3620	42.6	2385	07RT3621	52.3	5010
2P				2.5	7/0.67	0.7	082P3620	16.9	310
4P	084P3620	20.0	495				084P3621	26.1	1165
6P	086P3620	24.1	700				086P3621	30.3	1520
8P	088P3620	27.3	900				088P3621	34.4	2050
10P	080P3620	31.2	1130				080P3621	38.5	2445
12P	08BP3620	32.2	1285				08BP3621	39.5	2640
16P	08FP3620	36.2	1665				08FP3621	44.5	3500
20P	08KP3620	40.4	2060				08KP3621	49.0	4135
24P	08RP3620	45.0	2480				08RP3621	55.0	5285
36P	08P23620	52.3	3560				08P23621	62.4	6820
2T	082T3620	18.7	400				082T3621	25.0	1035
4T	084T3620	22.1	655				084T3621	28.5	1400
6T	086T3620	27.0	955				086T3621	34.2	2085
10T	080T3620	34.8	1545				080T3621	43.3	3320
12T	08BT3620	36.4	1790				08BT3621	44.7	3625
16T	08FT3620	40.6	2305				08FT3621	49.1	4370
24T	08RT3620	50.8	3470				08RT3621	61.0	6640

Instrumentation Cables