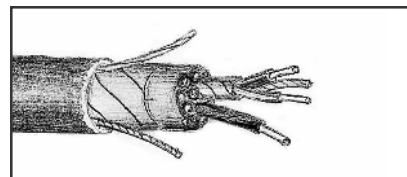


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# INSTRUMENTATION CABLE - S.P.O.S. - PLTC

## Multiple Individual Shielded Pairs/Triad With Overall Shield UL Type PLTC - 300 Volt 105°C

Construction Specification	Pairs	Triads
Conductor	20 gauge 7 strand concentric bare copper, Class B	20 gauge 7 strand concentric bare copper, Class B
Insulation	15 mils nominal, 105°C FR-PVC	15 mils nominal, 105°C FR-PVC
No. of Conductors	2	3
Color Code	Black and White	Black, white, and red
Group Identification	each pair numbered	each triple numbered
Lay of Twist	2"	2"
Pair Shield	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation
Cable Shield	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire
Jacket	Black 105°C FR-PVC with rip-cord	Black 105°C FR-PVC with rip-cord
Communication Wire	22 gauge 7 strand copper with 15 mils of orange PVC insulation	22 gauge 7 strand copper with 15 mils of orange PVC insulation

Catalog No.	Size AWG	No. of Pairs	No. of Triads	Jacket Wall	Overall Diameter	Nominal Weight	Max. Pulling Tension
P01K5	20	2		.055"	.349"	66 lbs/mft	52 lbs
P02K5	20	4		.055"	.423"	101 lbs/mft	96 lbs
P03K5	20	8		.055"	.543"	170 lbs/mft	184 lbs
P04K5	20	12		.066"	.674"	250 lbs/mft	228 lbs
P05K5	20	16		.066"	.747"	315 lbs/mft	360 lbs
P06K5	20	20		.066"	.827"	382 lbs/mft	448 lbs
P07K5	20	24		.078"	.939"	466 lbs/mft	536 lbs
P08K5	20	36		.078"	1.070"	655 lbs/mft	800 lbs
P09K5	20	50		.078"	1.278"	902 lbs/mft	1108 lbs
P10K5	20		4	.055"	.433"	122 lbs/mft	128 lbs
P11K5	20		8	.055"	.556"	212 lbs/mft	249 lbs
P12K5	20		12	.066"	.690"	373 lbs/mft	370 lbs
P13K5	20		16	.066"	.765"	399 lbs/mft	490 lbs
P14K5	20		24	.078"	.963"	591 lbs/mft	732 lbs
P15K5	20		36	.078"	1.097"	841 lbs/mft	1095 lbs

\* Min. Bend Radius is Cable Overall Diameter x 12

\* Shipping Tolerances +/-10%

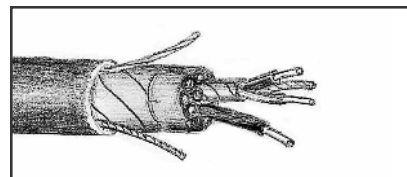
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# INSTRUMENTATION CABLE - S.P.O.S. - PLTC

## Multiple Individual Shielded Pairs/Triad With Overall Shield UL Type PLTC - 300 Volt 105°C

Construction Specification	Pairs	Triads
Conductor	18 gauge 7 strand concentric bare copper, Class B	18 gauge 7 strand concentric bare copper, Class B
Insulation	15 mils nominal, 105°C FR-PVC	15 mils nominal, 105°C FR-PVC
No. of Conductors	2	3
Color Code	Black and White	Black, white, and red
Group Identification	each pair numbered	each triple numbered
Lay of Twist	2"	2"
Pair Shield	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation
Cable Shield	100% coverage, aluminum-Mylar® tape shield and a 7 strand tinned copper drain wire	100% coverage, aluminum-Mylar® tape shield and a 7 strand tinned copper drain wire
Jacket	Black 105°C FR-PVC with rip-cord	Black 105°C FR-PVC with rip-cord
Communication Wire	22 gauge 7 strand copper with 15 mils of orange PVC insulation	22 gauge 7 strand copper with 15 mils of orange PVC insulation

Catalog No.	Size AWG	No. of Pairs	No. of Triads	Jacket Wall	Overall Diameter	Nominal Weight	Max. Pulling Tension
P01K6	18	2		.045"	.382"	84 lbs/mft	81 lbs
P02K6	18	4		.045"	.443"	121 lbs/mft	149 lbs
P03K6	18	8		.045"	.577"	211 lbs/mft	285 lbs
P04K6	18	12		.060"	.743"	327 lbs/mft	421 lbs
P05K6	18	16		.060"	.824"	415 lbs/mft	558 lbs
P06K6	18	24		.070"	1.038"	614 lbs/mft	830 lbs
P07K6	18	36		.070"	1.187"	870 lbs/mft	1239 lbs
P08K6	18	50		.080"	1.417"	1201 lbs/mft	1716 lbs
P09K6	18		2	.050"	.431"	108 lbs/mft	106 lbs
P10K6	18		4	.050"	.476"	160 lbs/mft	200 lbs
P11K6	18		8	.060"	.635"	293 lbs/mft	389 lbs
P12K6	18		12	.060"	.764"	416 lbs/mft	577 lbs
P13K6	18		16	.060"	.849"	533 lbs/mft	765 lbs
P14K6	18		24	.070"	1.070"	793 lbs/mft	1141 lbs
P15K6	18		36	.070"	1.224"	1137 lbs/mft	1705 lbs

\* Minimum Bend Radius Is Cable Overall Diameter x 12

\* Shipping Tolerances +/-10%

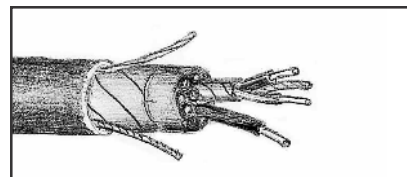
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# INSTRUMENTATION CABLE - S.P.O.S. - PLTC

## Multiple Individual Shielded Pairs/Triad With Overall Shield UL Type PLTC - 300 Volt 105°C

Construction Specification	Pairs	Triads
Conductor	16 gauge 7 strand concentric bare copper, Class B	16 gauge 7 strand concentric bare copper, Class B
Insulation	15 mils nominal, 105°C FR-PVC	15 mils nominal, 105°C FR-PVC
No. of Conductors	2	3
Color Code	Black and White	Black, white, and red
Group Identification	each pair numbered	each triple numbered
Lay of Twist	2"	2"
Pair Shield	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation	100% coverage, aluminum-Mylar® tape shield and a 22 gauge 7 strand tinned copper drain wire; shield tape to be applied in such a way as to give total shield isolation
Cable Shield	100% coverage, aluminum-Mylar® tape shield and a 7 strand tinned copper drain wire	100% coverage, aluminum-Mylar® tape shield and a 7 strand tinned copper drain wire
Jacket	Black 105°C FR-PVC with rip-cord	Black 105°C FR-PVC with rip-cord
Communication Wire	22 gauge 7 strand copper with 15 mils of orange PVC insulation	22 gauge 7 strand copper with 15 mils of orange PVC insulation

Catalog No.	Size AWG	No. of Pairs	No. of Triads	Jacket Wall	Overall Diameter	Nominal Weight	Max. Pulling Tension
P01K7	16	2		.050"	.446"	120 lbs/mft	129 lbs
P02K7	16	4		.050"	.516"	174 lbs/mft	237 lbs
P03K7	16	8		.060"	.690"	317 lbs/mft	454 lbs
P04K7	16	12		.060"	.834"	449 lbs/mft	671 lbs
P05K7	16	16		.070"	.948"	592 lbs/mft	888 lbs
P06K7	16	24		.070"	1.171"	852 lbs/mft	1322 lbs
P07K7	16	36		.080"	1.362"	1245 lbs/mft	1972 lbs
P08K7	16	50		.080"	1.603"	1684 lbs/mft	2731 lbs
P09K7	16		2	.050"	.460"	146 lbs/mft	170 lbs
P10K7	16		4	.050"	.533"	221 lbs/mft	320 lbs
P11K7	16		8	.060"	.713"	410 lbs/mft	619 lbs
P12K7	16		12	.060"	.863"	587 lbs/mft	919 lbs
P13K7	16		24	.070"	1.212"	1130 lbs/mft	1817 lbs
P14K7	16		36	.080"	1.410"	1660 lbs/mft	2700 lbs

\* Minimum Bend Radius Is Cable Overall Diameter x 12

\* Shipping Tolerances +/-10%

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