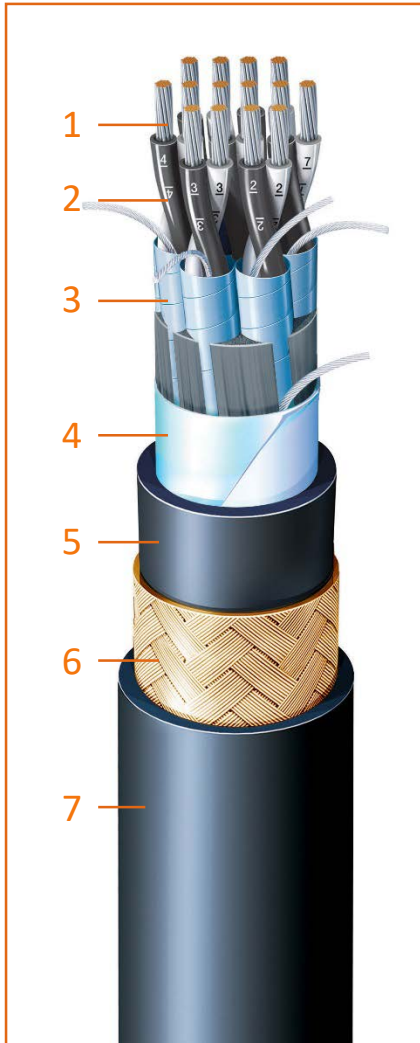


## TYPE P ARMORED AND SHEATHED INSTRUMENTATION CABLE: SHIELDED PAIRS/TRIADS



### PRODUCT DESCRIPTION

0.6/1KV FLEXIBLE SHIELDED PAIRS/TRIADS SIGNAL  
110°C TEMPERATURE RATING  
OIL, ABRASION, MOISTURE, PETROCHEMICAL  
AND SUNLIGHT RESISTANT  
ABS, DNV APPROVED  
ETL, UL, CSA LISTED

### PRODUCT CONSTRUCTION

#### 1. CONDUCTOR

FLEXIBLE STRANDED TINNED ANNEALED COPPER WIRE

#### 2. INSULATION

CROSS-LINKED FLAME RETARDANT POLYOLEFIN (XLPO)  
COLOR CODE: IEEE 1580 TABLE 22

#### 3. INDIVIDUAL SHIELD

AL/PS TAPE W/TINNED COPPER DRAIN WIRE

#### 4. OVERALL SHIELD

AL/PS TAPE W/TINNED COPPER DRAIN WIRE

#### 5. JACKET

THERMOSETTING NEOPRENE (TYPE N)

#### 6. ARMOR

BRONZE WIRE BRAID PER IEEE 1580

#### 7. SHEATH

THERMOSETTING NEOPRENE (TYPE N)  
BLACK COLOR



### STANDARDS

- IEEE 45 (2004), IEEE 1580 (2010), UL 1309 (2011)
- TYPE P INSULATION: IEEE 1580, UL 1309 TYPE X110
- TYPE N SHEATH: IEEE 1580, UL 1309
- FLAME RETARDANT: IEEE 1202 VW-1, IEC 60332-3 CAT. A
- FIRE RESISTANT: IEC 60331-1/2/21 (OPTIONAL)
- COLD BEND/IMPACT: CSA 22.2 NO. 03 (-40°C/-35°C)

## TYPE P ARMORED AND SHEATHED INSTRUMENTATION CABLE: SHIELDED PAIRS/TRIADS

### 600/1000V, PAIRS, INDIVIDUAL AND OVERALL SHIELDED (IS-OS)

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (-BS)			
	# OF PAIRS	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-2P18ISOS	2	18	0.524	13.3	141	210	0.728	18.5	329	490
P-3P18ISOS	3	18	0.591	15.0	195	290	0.795	20.2	403	600
P-4P18ISOS	4	18	0.626	15.9	235	350	0.874	22.2	484	720
P-5P18ISOS	5	18	0.701	17.8	282	420	0.949	24.1	564	840
P-6P18ISOS	6	18	0.748	19.0	323	480	0.996	25.3	618	920
P-7P18ISOS	7	18	0.748	19.0	349	520	0.996	25.3	645	960
P-8P18ISOS	8	18	0.799	20.3	396	590	1.047	26.6	712	1060
P-10P18ISOS	10	18	0.941	23.9	524	780	1.189	30.2	887	1320
P-12P18ISOS	12	18	0.984	25.0	598	890	1.232	31.3	974	1450
P-14P18ISOS	14	18	1.024	26.0	665	990	1.272	32.3	1055	1570
P-16P18ISOS	16	18	1.094	27.8	753	1120	1.343	34.1	1169	1740
P-18P18ISOS	18	18	1.146	29.1	827	1230	1.394	35.4	1263	1880
P-20P18ISOS	20	18	1.169	29.7	894	1330	1.417	36.0	1337	1990
P-24P18ISOS	24	18	1.291	32.8	1062	1580	1.539	39.1	1546	2300
P-2P16ISOS	2	16	0.575	14.6	181	270	0.78	19.8	383	570
P-3P16ISOS	3	16	0.614	15.6	228	340	0.819	20.8	437	650
P-4P16ISOS	4	16	0.654	16.6	269	400	0.902	22.9	538	800
P-5P16ISOS	5	16	0.732	18.6	329	490	0.98	24.9	618	920
P-6P16ISOS	6	16	0.783	19.9	383	570	1.031	26.2	692	1030
P-7P16ISOS	7	16	0.783	19.9	417	620	1.031	26.2	726	1080
P-8P16ISOS	8	16	0.878	22.3	504	750	1.126	28.6	847	1260
P-10P16ISOS	10	16	0.988	25.1	618	920	1.236	31.4	995	1480
P-12P16ISOS	12	16	1.028	26.1	699	1040	1.276	32.4	1095	1630
P-14P16ISOS	14	16	1.067	27.1	786	1170	1.315	33.4	1196	1780
P-16P16ISOS	16	16	1.146	29.1	887	1320	1.394	35.4	1324	1970
P-18P16ISOS	18	16	1.197	30.4	981	1460	1.445	36.7	1438	2140
P-20P16ISOS	20	16	1.224	31.1	1062	1580	2.654	67.4	1525	2270
P-24P16ISOS	24	16	1.354	34.4	1263	1880	1.602	40.7	1774	2640
P-2P14ISOS	2	14	0.622	15.8	228	340	0.827	21.0	443	660
P-3P14ISOS	3	14	0.665	16.9	289	430	0.913	23.2	558	830
P-4P14ISOS	4	14	0.709	18.0	356	530	0.957	24.3	638	950
P-5P14ISOS	5	14	0.795	20.2	430	640	1.043	26.5	746	1110
P-6P14ISOS	6	14	0.898	22.8	538	800	1.146	29.1	887	1320
P-7P14ISOS	7	14	0.898	22.8	585	870	1.146	29.1	934	1390
P-8P14ISOS	8	14	0.957	24.3	659	980	1.205	30.6	1028	1530
P-10P14ISOS	10	14	1.079	27.4	813	1210	1.327	33.7	1223	1820
P-12P14ISOS	12	14	1.122	28.5	927	1380	1.37	34.8	1357	2020
P-14P14ISOS	14	14	1.165	29.6	1048	1560	1.413	35.9	1485	2210
P-16P14ISOS	16	14	1.252	31.8	1189	1770	1.500	38.1	1660	2470
P-18P14ISOS	18	14	1.307	33.2	1310	1950	1.555	39.5	1808	2690
P-20P14ISOS	20	14	1.339	34.0	1425	2120	1.587	40.3	1929	2870
P-24P14ISOS	24	14	1.48	37.6	1700	2530	1.787	45.4	2359	3510

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
 CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
 "-BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE

# IEEE 1580 TYPE P CABLE

## TYPE P ARMORED AND SHEATHED INSTRUMENTATION CABLE: SHIELDED PAIRS/TRIADS

### 600/1000V, PAIRS, OVERALL SHIELDED (OS)

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (-BS)			
	# OF PAIRS	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-1P18OS	1	18	0.350	8.9	67	100	0.555	14.1	202	300
P-1P16OS	1	16	0.362	9.2	81	120	0.567	14.4	215	320
P-1P14OS	1	14	0.390	9.9	101	150	0.594	15.1	242	360

### 600/1000V, TRIADS, INDIVIDUAL AND OVERAL SHIELDED (IS-OS)

PART NO.	CONDUCTOR		UNARMORED				ARMORED AND SHEATHED (-BS)			
	# OF TRIADS	SIZE (AWG)	NOMINAL OD		WEIGHT		NOMINAL OD		WEIGHT	
			INCHES	MM	LBS/MFT	KG/KM	INCHES	MM	LBS/MFT	KG/KM
P-1T18OS	1	18	0.362	9.2	81	120	0.567	14.4	215	320
P-2T18ISOS	2	18	0.587	14.9	168	250	0.791	20.1	376	560
P-3T18ISOS	3	18	0.622	15.8	208	310	0.827	21.0	423	630
P-4T18ISOS	4	18	0.681	17.3	255	380	0.929	23.6	524	780
P-5T18ISOS	5	18	0.748	19.0	302	450	0.996	25.3	598	890
P-7T18ISOS	7	18	0.886	22.5	430	640	1.134	28.8	773	1150
P-8T18ISOS	8	18	0.945	24.0	484	720	1.193	30.3	847	1260
P-12T18ISOS	12	18	1.126	28.6	672	1000	1.374	34.9	1102	1640
P-16T18ISOS	16	18	1.244	31.6	840	1250	1.492	37.9	1310	1950
P-1T16OS	1	16	0.378	9.6	94	140	0.583	14.8	235	350
P-2T16ISOS	2	16	0.61	15.5	195	290	0.815	20.7	403	600
P-3T16ISOS	3	16	0.65	16.5	242	360	0.898	22.8	504	750
P-4T16ISOS	4	16	0.709	18.0	289	430	0.957	24.3	571	850
P-5T16ISOS	5	16	0.783	19.9	349	520	1.031	26.2	659	980
P-7T16ISOS	7	16	0.929	23.6	497	740	1.177	29.9	860	1280
P-8T16ISOS	8	16	0.992	25.2	558	830	1.240	31.5	941	1400
P-12T16ISOS	12	16	1.181	30.0	786	1170	1.429	36.3	1236	1840
P-16T16ISOS	16	16	1.303	33.1	988	1470	1.551	39.4	1478	2200
P-1T14OS	1	14	0.409	10.4	121	180	0.614	15.6	269	400
P-2T14ISOS	2	14	0.665	16.9	242	360	0.913	23.2	511	760
P-3T14ISOS	3	14	0.705	17.9	309	460	0.953	24.2	585	870
P-4T14ISOS	4	14	0.776	19.7	376	560	1.024	26.0	685	1020
P-5T14ISOS	5	14	0.902	22.9	497	740	1.150	29.2	847	1260
P-7T14ISOS	7	14	1.016	25.8	645	960	1.264	32.1	1035	1540
P-8T14ISOS	8	14	1.087	27.6	726	1080	1.335	33.9	1142	1700
P-12T14ISOS	12	14	1.295	32.9	1028	1530	1.543	39.2	1519	2260
P-14T14ISOS	16	14	1.433	36.4	1304	1940	1.740	44.2	1942	2890

DATA SUBJECT TO NORMAL MANUFACTURING TOLERANCES  
 CABLE OD AND WEIGHT ARE NOMINAL. SUBJECT TO INDUSTRY TOLERANCES  
 "-BS" ADDED TO PART NUMBER INDICATES ARMORED & SHEATHED CABLE