

Type P Drilmar® 125-XE Signal & Instrumentation

Crosslinked Polyolefin Insulated, Drilling Rig and Marine Cable, 600/1000 V

Features

Engineered for easiest installation. Extra flexible stranding meets IEEE, UL, and CSA requirements.

Maximum conductor operating temperature: 100 °C as Type P per IEEE, and 110°C as Type X110 per UL and CSA. Meets ampacity ratings per ABS, DNV, LRS, and TCMS.

DRILMAR® XLPO Insulation:

- Superior oil and chemical resistance.
- Sunlight resistant.
- Rated at 125 °C.
- Passes Cold Bend at -55 °C.

Heavy Duty CP Jacket:

- Arctic Type XE design.
- Abrasion and sunlight resistant.
- Rated at 90 °C.

Completed cable offers superior flame resistance meeting:

- 70,000 Btu Flame Tests IEEE 1202/FT4, IEEE 383, UL 1685, IEC T-30-820, and IEC 332 Category A.
- 210,000 Btu Flame Test IEC T-29-520.

Arctic Type design meets Cold Bend and Impact Tests at -40 °C, exceeding the Transport Canada Marine Safety requirements.

Application

DRILMAR® 125-XE cables are specifically designed for the installation and use in marine environments, for use on offshore drilling rigs, aboard marine vessels, and on fixed and floating offshore facilities where harsh marine environments exist. These cables are used in control, indicating, communication, electronic and similar circuits

where multiple conductor cables are required.

Typical applications include:

Tank level indicators, fire and gas protection systems, communication systems, CO₂ Systems, and smoke detector.

Standards

IEEE 1580

Recommended Practice for Marine Cable for Use on Shipboard and Fixed and Floating Platforms.

IEEE 45

Recommended Practice for Electrical Installations on Shipboard Cable.

UL 1309

Marine Shipboard Cable.

CSA C22.2 No. 245

Marine Shipboard Cable.

Approvals

- UL and CSA, as Type P.
- UL and CSA, as Type X110.
- ABS, American Bureau of Shipping.
- DNV, Det Norske Veritas
- LRS, Lloyd's Register of Shipping.
- United States Coast Guard.
- TCMS, Transport Canada Marine Safety.

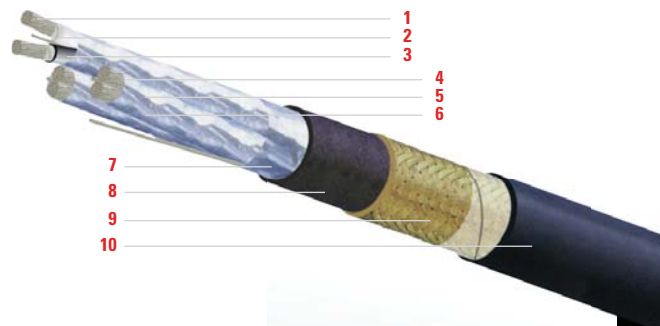
Engineering Information

1. Conductor: Soft annealed flexible Tin Coated Copper per IEEE, UL, and CSA.

Sizes: 22 AWG up to 10 AWG.

2. Separator Tape: Polyester tape as required.

3. Insulation: Flame retardant and sunlight resistant Crosslinked



Polyolefin (XLPO) per IEEE.

Also meets and exceeds the requirements of UL and CSA for Type X110. DRILMAR® 125-XE is a 125 °C XLPO.

4. Assembly: Insulated conductors twisted in pairs or triads.

5. Identification: Color coded with sequential printed numbers.

Pairs: Black and White.

Triads: Black, White and Red.

6. Cabling: Pairs/Triads cabled round with moisture and flame resistant fillers as required, and binder tape.

7. Optional Shielding: Individual and/or Overall Aluminum/ Polyester tape, with drain wire, 100% coverage.

8. Jacket: Flame retardant and sunlight resistant Arctic Type Chlorinated Polyethylene (CPE) per IEEE, UL and CSA.

9. Armor (optional): Standard - Bronze.

Optional - Aluminum or Tinned Copper Braid per IEEE, UL and CSA.

10. Overall Sheath (optional): Flame retardant and sunlight resistant Arctic Type Chlorinated Polyethylene (CPE) per IEEE, UL, and CSA.

Note: Overall Jacket is optional for Bronze armor only, Tinned Copper armor and Aluminum armor require the use of outer jacket.

Technical Data

Type P-Pairs Signal & Instrumentation, 20 AWG-10 Strands, Individual/Overall Shield

Conductor	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.31	8.0	DTPS20PCPE-1	45	68	0.37	9.3	DTPS20PCPEB-1	98	146
2	0.54	13.7	DTPS20PCPE-2	94	140	0.59	15.0	DTPS20PCPEB-2	182	271
3	0.60	15.3	DTPS20PCPE-3	136	202	0.66	16.7	DTPS20PCPEB-3	234	348
4	0.66	16.7	DTPS20PCPE-4	164	243	0.71	18.1	DTPS20PCPEB-4	270	402
5	0.72	18.3	DTPS20PCPE-5	192	286	0.77	19.6	DTPS20PCPEB-5	308	459
6	0.78	19.9	DTPS20PCPE-6	221	329	0.84	21.3	DTPS20PCPEB-6	347	517
7	0.78	19.9	DTPS20PCPE-7	241	359	0.84	21.3	DTPS20PCPEB-7	368	547
8	0.85	21.6	DTPS20PCPE-8	270	402	0.90	22.9	DTPS20PCPEB-8	407	605
10	1.04	26.5	DTPS20PCPE-10	375	558	1.09	27.8	DTPS20PCPEB-10	541	806
12	1.08	27.3	DTPS20PCPE-12	421	627	1.13	28.7	DTPS20PCPEB-12	593	882
14	1.13	28.7	DTPS20PCPE-14	471	701	1.18	30.0	DTPS20PCPEB-14	652	970
16	1.19	30.3	DTPS20PCPE-16	523	778	1.24	31.6	DTPS20PCPEB-16	713	1061
17	1.26	31.9	DTPS20PCPE-17	554	825	1.31	33.2	DTPS20PCPEB-17	754	1123
19	1.26	31.9	DTPS20PCPE-19	595	885	1.31	33.2	DTPS20PCPEB-19	795	1183
20	1.32	33.5	DTPS20PCPE-20	627	932	1.37	34.9	DTPS20PCPEB-20	837	1245
24	1.47	37.4	DTPS20PCPE-24	734	1092	1.52	38.7	DTPS20PCPEB-24	968	1440

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.47	12.0	DTPS20PCPEAS-1	107	159	DTPS20PCPEBS-1	143	213
2	0.73	18.5	DTPS20PCPEAS-2	212	316	DTPS20PCPEBS-2	273	406
3	0.79	20.1	DTPS20PCPEAS-3	266	395	DTPS20PCPEBS-3	334	497
4	0.85	21.5	DTPS20PCPEAS-4	304	452	DTPS20PCPEBS-4	378	562
5	0.95	24.2	DTPS20PCPEAS-5	383	570	DTPS20PCPEBS-5	464	690
6	1.02	25.8	DTPS20PCPEAS-6	427	636	DTPS20PCPEBS-6	515	766
7	1.02	25.8	DTPS20PCPEAS-7	447	666	DTPS20PCPEBS-7	535	796
8	1.08	27.4	DTPS20PCPEAS-8	491	731	DTPS20PCPEBS-8	586	871
10	1.27	32.4	DTPS20PCPEAS-10	640	952	DTPS20PCPEBS-10	755	1124
12	1.31	33.2	DTPS20PCPEAS-12	694	1032	DTPS20PCPEBS-12	813	1209
14	1.36	34.6	DTPS20PCPEAS-14	756	1126	DTPS20PCPEBS-14	882	1312
16	1.42	36.2	DTPS20PCPEAS-16	822	1223	DTPS20PCPEBS-16	954	1419
17	1.49	37.8	DTPS20PCPEAS-17	868	1292	DTPS20PCPEBS-17	1007	1499
19	1.49	37.8	DTPS20PCPEAS-19	909	1352	DTPS20PCPEBS-19	1047	1559
20	1.55	39.4	DTPS20PCPEAS-20	955	1422	DTPS20PCPEBS-20	1101	1638
24	1.70	43.2	DTPS20PCPEAS-24	1097	1633	DTPS20PCPEBS-24	1259	1873

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Ampacities: Refer to beginning of section.

Technical Data *continued*

Type P-Pairs Signal & Instrumentation, 18 AWG-16 Strands, Individual/Overall Shield

Conductor	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.33	8.5	DTPS18PCPE-1	54	80	0.39	9.8	DTPS18PCPEB-1	110	164
2	0.61	15.5	DTPS18PCPE-2	131	195	0.66	16.9	DTPS18PCPEB-2	231	343
3	0.65	16.5	DTPS18PCPE-3	163	243	0.70	17.8	DTPS18PCPEB-3	268	399
4	0.71	18.0	DTPS18PCPE-4	198	295	0.76	19.4	DTPS18PCPEB-4	313	466
5	0.78	19.7	DTPS18PCPE-5	234	349	0.83	21.0	DTPS18PCPEB-5	359	535
6	0.85	21.5	DTPS18PCPE-6	271	403	0.90	22.8	DTPS18PCPEB-6	407	606
7	0.85	21.5	DTPS18PCPE-7	298	443	0.90	22.8	DTPS18PCPEB-7	434	646
8	0.96	24.4	DTPS18PCPE-8	375	557	1.01	25.7	DTPS18PCPEB-8	529	787
10	1.13	28.6	DTPS18PCPE-10	458	681	1.18	29.9	DTPS18PCPEB-10	637	949
12	1.16	29.5	DTPS18PCPE-12	518	771	1.21	30.8	DTPS18PCPEB-12	703	1047
14	1.22	31.1	DTPS18PCPE-14	583	868	1.28	32.4	DTPS18PCPEB-14	778	1158
16	1.29	32.8	DTPS18PCPE-16	649	965	1.34	34.1	DTPS18PCPEB-16	854	1271
17	1.36	34.6	DTPS18PCPE-17	688	1024	1.41	35.9	DTPS18PCPEB-17	905	1346
19	1.36	34.6	DTPS18PCPE-19	742	1104	1.41	35.9	DTPS18PCPEB-19	958	1426
20	1.43	36.3	DTPS18PCPE-20	782	1163	1.48	37.7	DTPS18PCPEB-20	1009	1501
24	1.60	40.5	DTPS18PCPE-24	919	1367	1.65	41.9	DTPS18PCPEB-24	1172	1744

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.49	12.5	DTPS18PCPEAS-1	118	176	DTPS18PCPEBS-1	157	234
2	0.80	20.3	DTPS18PCPEAS-2	263	391	DTPS18PCPEBS-2	332	493
3	0.84	21.2	DTPS18PCPEAS-3	301	448	DTPS18PCPEBS-3	374	557
4	0.94	23.9	DTPS18PCPEAS-4	387	576	DTPS18PCPEBS-4	467	695
5	1.01	25.6	DTPS18PCPEAS-5	438	653	DTPS18PCPEBS-5	525	782
6	1.08	27.4	DTPS18PCPEAS-6	491	731	DTPS18PCPEBS-6	586	871
7	1.08	27.4	DTPS18PCPEAS-7	518	771	DTPS18PCPEBS-7	612	911
8	1.19	30.3	DTPS18PCPEAS-8	621	924	DTPS18PCPEBS-8	728	1083
10	1.36	34.5	DTPS18PCPEAS-10	742	1104	DTPS18PCPEBS-10	866	1289
12	1.39	35.4	DTPS18PCPEAS-12	811	1206	DTPS18PCPEBS-12	939	1397
14	1.45	37.0	DTPS18PCPEAS-14	889	1324	DTPS18PCPEBS-14	1024	1524
16	1.52	38.6	DTPS18PCPEAS-16	970	1444	DTPS18PCPEBS-16	1113	1656
17	1.59	40.4	DTPS18PCPEAS-17	1026	1527	DTPS18PCPEBS-17	1176	1750
19	1.59	40.4	DTPS18PCPEAS-19	1080	1607	DTPS18PCPEBS-19	1230	1830
20	1.66	42.2	DTPS18PCPEAS-20	1136	1690	DTPS18PCPEBS-20	1293	1924
24	1.89	48.1	DTPS18PCPEAS-24	1428	2124	DTPS18PCPEBS-24	1603	2385

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Amcapities: Refer to beginning of section.

Technical Data *continued*

Type P-Pairs Signal & Instrumentation, 16 AWG-26 Strands, Individual/Overall Shield

Conductor Number of Pairs	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.36	9.2	DTPS16PCPE-1	67	100	0.41	10.5	DTPS16PCPEB-1	128	190
2	0.67	16.9	DTPS16PCPE-2	162	241	0.72	18.2	DTPS16PCPEB-2	270	402
3	0.71	17.9	DTPS16PCPE-3	205	306	0.76	19.3	DTPS16PCPEB-3	320	476
4	0.77	19.7	DTPS16PCPE-4	252	376	0.83	21.0	DTPS16PCPEB-4	377	561
5	0.85	21.6	DTPS16PCPE-5	300	447	0.90	22.9	DTPS16PCPEB-5	437	650
6	0.97	24.7	DTPS16PCPE-6	389	580	1.02	26.0	DTPS16PCPEB-6	545	811
7	0.97	24.7	DTPS16PCPE-7	427	636	1.02	26.0	DTPS16PCPEB-7	583	867
8	1.05	26.7	DTPS16PCPE-8	479	713	1.10	28.0	DTPS16PCPEB-8	647	963
10	1.23	31.3	DTPS16PCPE-10	587	874	1.29	32.7	DTPS16PCPEB-10	784	1166
12	1.27	32.4	DTPS16PCPE-12	670	997	1.33	33.7	DTPS16PCPEB-12	873	1299
14	1.34	34.1	DTPS16PCPE-14	758	1127	1.39	35.4	DTPS16PCPEB-14	971	1445
16	1.42	36.0	DTPS16PCPE-16	846	1260	1.47	37.3	DTPS16PCPEB-16	1071	1594
17	1.50	38.0	DTPS16PCPE-17	898	1337	1.55	39.3	DTPS16PCPEB-17	1136	1690
19	1.50	38.0	DTPS16PCPE-19	974	1449	1.55	39.3	DTPS16PCPEB-19	1211	1802
20	1.57	40.0	DTPS16PCPE-20	1026	1526	1.63	41.3	DTPS16PCPEB-20	1275	1898
24	1.82	46.3	DTPS16PCPE-24	1322	1968	1.87	47.6	DTPS16PCPEB-24	1610	2397

Conductor Number of Pairs	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	Net Weight		Part Number	Net Weight	
				lb/kft	kg/km		lb/kft	kg/km
1	0.52	13.2	DTPS16PCPEAS-1	136	202	DTPS16PCPEBS-1	178	264
2	0.85	21.7	DTPS16PCPEAS-2	304	452	DTPS16PCPEBS-2	378	563
3	0.94	23.8	DTPS16PCPEAS-3	394	586	DTPS16PCPEBS-3	473	703
4	1.01	25.5	DTPS16PCPEAS-4	456	679	DTPS16PCPEBS-4	542	807
5	1.08	27.4	DTPS16PCPEAS-5	521	775	DTPS16PCPEBS-5	616	916
6	1.20	30.6	DTPS16PCPEAS-6	638	950	DTPS16PCPEBS-6	746	1110
7	1.20	30.6	DTPS16PCPEAS-7	676	1006	DTPS16PCPEBS-7	784	1166
8	1.28	32.6	DTPS16PCPEAS-8	746	1110	DTPS16PCPEBS-8	862	1283
10	1.47	37.2	DTPS16PCPEAS-10	896	1334	DTPS16PCPEBS-10	1032	1536
12	1.51	38.3	DTPS16PCPEAS-12	988	1470	DTPS16PCPEBS-12	1129	1680
14	1.57	40.0	DTPS16PCPEAS-14	1091	1624	DTPS16PCPEBS-14	1239	1844
16	1.65	41.9	DTPS16PCPEAS-16	1197	1781	DTPS16PCPEBS-16	1353	2014
17	1.73	43.9	DTPS16PCPEAS-17	1267	1886	DTPS16PCPEBS-17	1432	2130
19	1.73	43.9	DTPS16PCPEAS-19	1342	1998	DTPS16PCPEBS-19	1507	2243
20	1.87	47.5	DTPS16PCPEAS-20	1528	2274	DTPS16PCPEBS-20	1701	2532
24	2.12	53.8	DTPS16PCPEAS-24	1897	2823	DTPS16PCPEBS-24	2097	3121

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Ampacities: Refer to beginning of section.

Technical Data *continued*

Type P-Pairs Signal & Instrumentation, 14 AWG-41 Strands, Individual/Overall Shield

Conductor	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.39	10.0	DTPS14PCPE-1	85	127	0.45	11.3	DTPS14PCPEB-1	151	224
2	0.73	18.5	DTPS14PCPE-2	205	305	0.78	19.8	DTPS14PCPEB-2	323	480
3	0.77	19.7	DTPS14PCPE-3	265	394	0.83	21.0	DTPS14PCPEB-3	389	580
4	0.85	21.6	DTPS14PCPE-4	329	489	0.90	22.9	DTPS14PCPEB-4	465	692
5	0.98	24.8	DTPS14PCPE-5	434	646	1.03	26.1	DTPS14PCPEB-5	590	879
6	1.06	27.1	DTPS14PCPE-6	503	749	1.12	28.4	DTPS14PCPEB-6	674	1002
7	1.06	27.1	DTPS14PCPE-7	557	829	1.12	28.4	DTPS14PCPEB-7	727	1082
8	1.15	29.3	DTPS14PCPE-8	626	932	1.21	30.6	DTPS14PCPEB-8	810	1205
10	1.36	34.5	DTPS14PCPE-10	770	1145	1.41	35.8	DTPS14PCPEB-10	986	1467
12	1.40	35.7	DTPS14PCPE-12	885	1317	1.46	37.0	DTPS14PCPEB-12	1108	1649
14	1.48	37.6	DTPS14PCPE-14	1005	1496	1.53	38.9	DTPS14PCPEB-14	1240	1845
16	1.56	39.7	DTPS14PCPE-16	1127	1677	1.62	41.0	DTPS14PCPEB-16	1375	2046
17	1.65	41.9	DTPS14PCPE-17	1196	1780	1.70	43.3	DTPS14PCPEB-17	1458	2170
19	1.65	41.9	DTPS14PCPE-19	1303	1939	1.70	43.3	DTPS14PCPEB-19	1565	2328
20	1.80	45.8	DTPS14PCPE-20	1484	2208	1.86	47.2	DTPS14PCPEB-20	1770	2633
24	2.01	51.0	DTPS14PCPE-24	1747	2600	2.06	52.4	DTPS14PCPEB-24	2065	3073

Conductor	Armored & Sheathed							
	Nominal OD		Part Number	Aluminum		Part Number	Bronze	
	in	mm		Net Weight	Net Weight		Net Weight	Net Weight
Number of Pairs	in	mm	lb/kft	kg/km	lb/kft	kg/km	lb/kft	kg/km
1	0.58	14.8	DTPS14PCPEAS-1	176	262	DTPS14PCPEBS-1	221	330
2	0.96	24.4	DTPS14PCPEAS-2	398	593	DTPS14PCPEBS-2	480	714
3	1.01	25.5	DTPS14PCPEAS-3	468	697	DTPS14PCPEBS-3	555	826
4	1.08	27.5	DTPS14PCPEAS-4	550	818	DTPS14PCPEBS-4	644	959
5	1.21	30.7	DTPS14PCPEAS-5	684	1018	DTPS14PCPEBS-5	793	1179
6	1.30	32.9	DTPS14PCPEAS-6	774	1151	DTPS14PCPEBS-6	892	1327
7	1.30	32.9	DTPS14PCPEAS-7	827	1231	DTPS14PCPEBS-7	945	1406
8	1.39	35.2	DTPS14PCPEAS-8	917	1364	DTPS14PCPEBS-8	1044	1554
10	1.59	40.4	DTPS14PCPEAS-10	1107	1647	DTPS14PCPEBS-10	1257	1870
12	1.64	41.6	DTPS14PCPEAS-12	1232	1834	DTPS14PCPEBS-12	1387	2064
14	1.71	43.5	DTPS14PCPEAS-14	1370	2039	DTPS14PCPEBS-14	1533	2282
16	1.86	47.2	DTPS14PCPEAS-16	1626	2420	DTPS14PCPEBS-16	1798	2676
17	1.95	49.5	DTPS14PCPEAS-17	1721	2562	DTPS14PCPEBS-17	1903	2832
19	1.95	49.5	DTPS14PCPEAS-19	1828	2721	DTPS14PCPEBS-19	2010	2991
20	2.10	53.4	DTPS14PCPEAS-20	2054	3056	DTPS14PCPEBS-20	2252	3351
24	2.31	58.6	DTPS14PCPEAS-24	2377	3537	DTPS14PCPEBS-24	2597	3865

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Ampacities: Refer to beginning of section.

Technical Data *continued*

Type P-Pairs Signal & Instrumentation, 12 AWG-65 Strands, Individual/Overall Shield

Conductor	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.43	11.0	DTPS12PCPE-1	113	168	0.49	12.3	DTPS12PCPEB-1	184	274
2	0.81	20.5	DTPS12PCPE-2	269	401	0.86	21.8	DTPS12PCPEB-2	399	594
3	0.86	21.8	DTPS12PCPE-3	354	527	0.91	23.1	DTPS12PCPEB-3	492	732
4	0.99	25.1	DTPS12PCPE-4	485	722	1.04	26.4	DTPS12PCPEB-4	643	957
5	1.08	27.5	DTPS12PCPE-5	580	863	1.14	28.9	DTPS12PCPEB-5	753	1120
6	1.18	30.1	DTPS12PCPE-6	675	1005	1.24	31.4	DTPS12PCPEB-6	864	1286
7	1.18	30.1	DTPS12PCPE-7	753	1121	1.24	31.4	DTPS12PCPEB-7	942	1402
8	1.28	32.6	DTPS12PCPE-8	849	1263	1.34	33.9	DTPS12PCPEB-8	1053	1567
10	1.52	38.5	DTPS12PCPE-10	1046	1557	1.57	39.9	DTPS12PCPEB-10	1287	1915
12	1.57	39.8	DTPS12PCPE-12	1211	1802	1.62	41.2	DTPS12PCPEB-12	1460	2172
14	1.65	42.0	DTPS12PCPE-14	1382	2056	1.71	43.4	DTPS12PCPEB-14	1644	2447
16	1.81	46.1	DTPS12PCPE-16	1667	2480	1.87	47.4	DTPS12PCPEB-16	1954	2907
17	1.91	48.6	DTPS12PCPE-17	1769	2632	1.97	49.9	DTPS12PCPEB-17	2071	3082
19	1.91	48.6	DTPS12PCPE-19	1924	2863	1.97	49.9	DTPS12PCPEB-19	2227	3313
20	2.01	51.1	DTPS12PCPE-20	2026	3015	2.07	52.5	DTPS12PCPEB-20	2344	3488
24	2.25	57.1	DTPS12PCPE-24	2393	3562	2.30	58.4	DTPS12PCPEB-24	2748	4089

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.62	15.8	DTPS12PCPEAS-1	211	314	DTPS12PCPEBS-1	261	388
2	1.04	26.4	DTPS12PCPEAS-2	481	715	DTPS12PCPEBS-2	571	849
3	1.09	27.7	DTPS12PCPEAS-3	577	859	DTPS12PCPEBS-3	673	1001
4	1.22	31.0	DTPS12PCPEAS-4	738	1098	DTPS12PCPEBS-4	848	1261
5	1.32	33.4	DTPS12PCPEAS-5	854	1271	DTPS12PCPEBS-5	974	1450
6	1.42	36.0	DTPS12PCPEAS-6	973	1448	DTPS12PCPEBS-6	1104	1642
7	1.42	36.0	DTPS12PCPEAS-7	1050	1563	DTPS12PCPEBS-7	1181	1758
8	1.52	38.5	DTPS12PCPEAS-8	1169	1740	DTPS12PCPEBS-8	1311	1950
10	1.81	46.0	DTPS12PCPEAS-10	1532	2280	DTPS12PCPEBS-10	1699	2528
12	1.86	47.4	DTPS12PCPEAS-12	1712	2547	DTPS12PCPEBS-12	1884	2804
14	1.95	49.6	DTPS12PCPEAS-14	1908	2839	DTPS12PCPEBS-14	2090	3110
16	2.11	53.6	DTPS12PCPEAS-16	2239	3332	DTPS12PCPEBS-16	2438	3628
17	2.21	56.1	DTPS12PCPEAS-17	2370	3527	DTPS12PCPEBS-17	2580	3839
19	2.21	56.1	DTPS12PCPEAS-19	2526	3759	DTPS12PCPEBS-19	2735	4071
20	2.31	58.7	DTPS12PCPEAS-20	2657	3954	DTPS12PCPEBS-20	2877	4282
24	2.54	64.6	DTPS12PCPEAS-24	3092	4602	DTPS12PCPEBS-24	3338	4967

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Ampacities: Refer to beginning of section.

Technical Data *continued*

Type P-Pairs Signal & Instrumentation, 10 AWG-105 Strands, Individual/Overall Shield

Conductor	Unarmored					Armored				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	kg/km
1	0.50	12.6	DTPS10PCPE-1	157	234	0.55	13.9	DTPS10PCPEB-1	239	355
2	0.98	24.8	DTPS10PCPE-2	414	615	1.03	26.1	DTPS10PCPEB-2	570	848
3	1.04	26.3	DTPS10PCPE-3	542	806	1.09	27.7	DTPS10PCPEB-3	708	1053
4	1.14	28.9	DTPS10PCPE-4	677	1008	1.19	30.3	DTPS10PCPEB-4	859	1278
5	1.25	31.8	DTPS10PCPE-5	815	1213	1.31	33.1	DTPS10PCPEB-5	1014	1509
6	1.37	34.8	DTPS10PCPE-6	953	1419	1.42	36.1	DTPS10PCPEB-6	1171	1743
7	1.37	34.8	DTPS10PCPE-7	1070	1593	1.42	36.1	DTPS10PCPEB-7	1288	1917
8	1.49	37.8	DTPS10PCPE-8	1209	1799	1.54	39.2	DTPS10PCPEB-8	1445	2151
10	1.83	46.5	DTPS10PCPE-10	1606	2391	1.88	47.8	DTPS10PCPEB-10	1896	2822
12	1.89	48.1	DTPS10PCPE-12	1856	2762	1.94	49.4	DTPS10PCPEB-12	2155	3207
14	1.99	50.6	DTPS10PCPE-14	2115	3147	2.05	52.0	DTPS10PCPEB-14	2430	3616
16	2.11	53.5	DTPS10PCPE-16	2377	3537	2.16	54.8	DTPS10PCPEB-16	2709	4032
17	2.23	56.5	DTPS10PCPE-17	2523	3754	2.28	57.9	DTPS10PCPEB-17	2874	4277
19	2.23	56.5	DTPS10PCPE-19	2757	4103	2.28	57.9	DTPS10PCPEB-19	3108	4626
20	2.34	59.5	DTPS10PCPE-20	2903	4320	2.40	60.9	DTPS10PCPEB-20	3273	4870
24	2.62	66.6	DTPS10PCPE-24	3439	5118	2.67	67.9	DTPS10PCPEB-24	3852	5732

Conductor	Armored & Sheathed							
	Nominal OD		Part Number	Aluminum		Part Number	Bronze	
	in	mm		Net Weight	Net Weight		Net Weight	Net Weight
Number of Pairs				lb/kft	kg/km		lb/kft	kg/km
1	0.68	17.4	DTPS10PCPEAS-1	267	397	DTPS10PCPEBS-1	323	481
2	1.21	30.7	DTPS10PCPEAS-2	663	987	DTPS10PCPEBS-2	772	1148
3	1.27	32.2	DTPS10PCPEAS-3	806	1199	DTPS10PCPEBS-3	920	1370
4	1.37	34.8	DTPS10PCPEAS-4	964	1435	DTPS10PCPEBS-4	1090	1623
5	1.48	37.7	DTPS10PCPEAS-5	1128	1678	DTPS10PCPEBS-5	1266	1884
6	1.60	40.7	DTPS10PCPEAS-6	1293	1925	DTPS10PCPEBS-6	1444	2150
7	1.60	40.7	DTPS10PCPEAS-7	1411	2099	DTPS10PCPEBS-7	1562	2324
8	1.72	43.7	DTPS10PCPEAS-8	1576	2346	DTPS10PCPEBS-8	1740	2590
10	2.13	54.0	DTPS10PCPEAS-10	2184	3250	DTPS10PCPEBS-10	2385	3549
12	2.19	55.6	DTPS10PCPEAS-12	2451	3647	DTPS10PCPEBS-12	2658	3956
14	2.29	58.2	DTPS10PCPEAS-14	2740	4077	DTPS10PCPEBS-14	2958	4402
16	2.40	61.0	DTPS10PCPEAS-16	3035	4516	DTPS10PCPEBS-16	3265	4859
17	2.52	64.1	DTPS10PCPEAS-17	3215	4785	DTPS10PCPEBS-17	3459	5147
19	2.52	64.1	DTPS10PCPEAS-19	3450	5134	DTPS10PCPEBS-19	3693	5496
20	2.64	67.1	DTPS10PCPEAS-20	3630	5402	DTPS10PCPEBS-20	3887	5784
24	2.98	75.8	DTPS10PCPEAS-24	4439	6606	DTPS10PCPEBS-24	4725	7032

The above data are approximate and subject to normal manufacturing tolerances. Where required, the compatibility with glands, connectors and accessories should be verified using actual dimensions of the product.

Amptacities: Refer to beginning of section.