

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 ICEA 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.

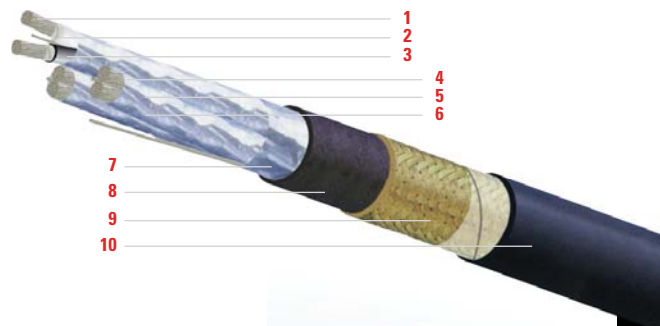
Engineering Information

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 Chlorosulfonated Polyethylene (CP) 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-Triads Signal & Instrumentation, 20 AWG-10 Strands, Individual 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	0.37	9.3	DTTI20PCP-1	61	91	0.42	10.7	DTTI20PCPB-1	122	182
2	0.63	16.0	DTTI20PCP-2	133	199	0.68	17.3	DTTI20PCPB-2	236	350
3	0.66	16.9	DTTI20PCP-3	167	248	0.72	18.2	DTTI20PCPB-3	274	408
4	0.72	18.4	DTTI20PCP-4	203	302	0.78	19.7	DTTI20PCPB-4	320	477
5	0.79	20.0	DTTI20PCP-5	241	358	0.84	21.4	DTTI20PCPB-5	368	547
6	0.86	21.8	DTTI20PCP-6	278	414	0.91	23.1	DTTI20PCPB-6	416	619
7	0.86	21.8	DTTI20PCP-7	307	456	0.91	23.1	DTTI20PCPB-7	445	662
8	0.97	24.6	DTTI20PCP-8	385	573	1.02	26.0	DTTI20PCPB-8	540	804
10	1.13	28.7	DTTI20PCP-10	471	700	1.18	30.1	DTTI20PCPB-10	651	969
12	1.17	29.6	DTTI20PCP-12	534	794	1.22	31.0	DTTI20PCPB-12	720	1071
14	1.23	31.2	DTTI20PCP-14	601	895	1.28	32.5	DTTI20PCPB-14	797	1186
16	1.29	32.8	DTTI20PCP-16	670	996	1.35	34.2	DTTI20PCPB-16	875	1303
17	1.36	34.6	DTTI20PCP-17	710	1057	1.41	35.9	DTTI20PCPB-17	927	1379
19	1.36	34.6	DTTI20PCP-19	767	1141	1.41	35.9	DTTI20PCPB-19	983	1463
20	1.43	36.3	DTTI20PCP-20	808	1202	1.48	37.6	DTTI20PCPB-20	1035	1540
24	1.59	40.4	DTTI20PCP-24	950	1414	1.64	41.8	DTTI20PCPB-24	1202	1789
25	1.63	41.3	DTTI20PCP-25	985	1465	1.68	42.6	DTTI20PCPB-25	1242	1849

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.59	14.9	DTTI20PCPAS-1	151	225	DTTI20PCPBS-1	194	288
2	0.85	21.6	DTTI20PCPAS-2	272	405	DTTI20PCPBS-2	343	510
3	0.93	23.6	DTTI20PCPAS-3	351	522	DTTI20PCPBS-3	425	633
4	0.99	25.1	DTTI20PCPAS-4	401	597	DTTI20PCPBS-4	482	717
5	1.05	26.8	DTTI20PCPAS-5	453	675	DTTI20PCPBS-5	541	806
6	1.12	28.5	DTTI20PCPAS-6	507	754	DTTI20PCPBS-6	602	896
7	1.12	28.5	DTTI20PCPAS-7	535	796	DTTI20PCPBS-7	631	939
8	1.23	31.4	DTTI20PCPAS-8	639	951	DTTI20PCPBS-8	747	1111
10	1.40	35.5	DTTI20PCPAS-10	762	1133	DTTI20PCPBS-10	887	1320
12	1.43	36.3	DTTI20PCPAS-12	833	1239	DTTI20PCPBS-12	962	1431
14	1.49	37.9	DTTI20PCPAS-14	914	1360	DTTI20PCPBS-14	1049	1562
16	1.56	39.5	DTTI20PCPAS-16	997	1484	DTTI20PCPBS-16	1140	1696
17	1.63	41.3	DTTI20PCPAS-17	1054	1568	DTTI20PCPBS-17	1204	1791
19	1.63	41.3	DTTI20PCPAS-19	1110	1652	DTTI20PCPBS-19	1260	1876
20	1.69	43.0	DTTI20PCPAS-20	1167	1736	DTTI20PCPBS-20	1324	1971
24	1.92	48.8	DTTI20PCPAS-24	1465	2180	DTTI20PCPBS-24	1640	2440
25	1.96	49.7	DTTI20PCPAS-25	1510	2247	DTTI20PCPBS-25	1689	2513

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.

Amppacities: Refer to beginning of section.

Technical Data *continued*

Type P-Triads Signal & Instrumentation, 18 AWG-16 Strands, Individual 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	9.9	DTTI18PCP-1	73	108	0.44	11.2	DTTI18PCPB-1	137	205
2	0.67	17.1	DTTI18PCP-2	159	236	0.73	18.4	DTTI18PCPB-2	268	399
3	0.71	18.1	DTTI18PCP-3	202	301	0.77	19.5	DTTI18PCPB-3	317	472
4	0.78	19.8	DTTI18PCP-4	249	370	0.83	21.1	DTTI18PCPB-4	374	557
5	0.85	21.6	DTTI18PCP-5	296	441	0.90	22.9	DTTI18PCPB-5	433	645
6	0.97	24.6	DTTI18PCP-6	385	573	1.02	26.0	DTTI18PCPB-6	541	805
7	0.97	24.6	DTTI18PCP-7	423	629	1.02	26.0	DTTI18PCPB-7	578	861
8	1.05	26.6	DTTI18PCP-8	474	706	1.10	27.9	DTTI18PCPB-8	642	955
10	1.22	31.1	DTTI18PCP-10	582	866	1.28	32.4	DTTI18PCPB-10	777	1156
12	1.26	32.1	DTTI18PCP-12	665	989	1.32	33.4	DTTI18PCPB-12	866	1288
14	1.33	33.7	DTTI18PCP-14	752	1119	1.38	35.1	DTTI18PCPB-14	963	1434
16	1.40	35.6	DTTI18PCP-16	841	1251	1.45	36.9	DTTI18PCPB-16	1063	1582
17	1.48	37.5	DTTI18PCP-17	892	1328	1.53	38.8	DTTI18PCPB-17	1126	1676
19	1.48	37.5	DTTI18PCP-19	968	1440	1.53	38.8	DTTI18PCPB-19	1202	1789
20	1.55	39.4	DTTI18PCP-20	1019	1517	1.60	40.7	DTTI18PCPB-20	1265	1883
24	1.73	43.9	DTTI18PCP-24	1202	1789	1.78	45.2	DTTI18PCPB-24	1476	2196
25	1.83	46.5	DTTI18PCP-25	1361	2025	1.89	47.9	DTTI18PCPB-25	1650	2456

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.61	15.5	DTTI18PCPAS-1	167	248	DTTI18PCPBS-1	212	315
2	0.94	23.8	DTTI18PCPAS-2	345	513	DTTI18PCPBS-2	421	626
3	0.98	24.8	DTTI18PCPAS-3	397	591	DTTI18PCPBS-3	477	710
4	1.04	26.5	DTTI18PCPAS-4	459	683	DTTI18PCPBS-4	546	813
5	1.11	28.3	DTTI18PCPAS-5	523	779	DTTI18PCPBS-5	618	920
6	1.23	31.4	DTTI18PCPAS-6	639	951	DTTI18PCPBS-6	747	1112
7	1.23	31.4	DTTI18PCPAS-7	677	1008	DTTI18PCPBS-7	785	1168
8	1.31	33.3	DTTI18PCPAS-8	746	1110	DTTI18PCPBS-8	862	1283
10	1.49	37.8	DTTI18PCPAS-10	894	1330	DTTI18PCPBS-10	1029	1531
12	1.53	38.8	DTTI18PCPAS-12	986	1467	DTTI18PCPBS-12	1125	1674
14	1.59	40.4	DTTI18PCPAS-14	1088	1619	DTTI18PCPBS-14	1234	1837
16	1.66	42.3	DTTI18PCPAS-16	1193	1775	DTTI18PCPBS-16	1347	2005
17	1.80	45.8	DTTI18PCPAS-17	1373	2044	DTTI18PCPBS-17	1536	2286
19	1.80	45.8	DTTI18PCPAS-19	1449	2156	DTTI18PCPBS-19	1611	2398
20	1.88	47.8	DTTI18PCPAS-20	1523	2266	DTTI18PCPBS-20	1693	2520
24	2.06	52.3	DTTI18PCPAS-24	1757	2615	DTTI18PCPBS-24	1947	2897
25	2.16	54.9	DTTI18PCPAS-25	1946	2896	DTTI18PCPBS-25	2147	3195

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-Triads Signal & Instrumentation, 16 AWG-26 Strands, Individual 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	0.42	10.6	DTT116PCP-1	90	135	0.47	12.0	DTT116PCPB-1	160	238
2	0.73	18.6	DTT116PCP-2	197	293	0.79	19.9	DTT116PCPB-2	315	469
3	0.78	19.7	DTT116PCP-3	256	381	0.83	21.0	DTT116PCPB-3	381	567
4	0.85	21.6	DTT116PCP-4	319	475	0.90	22.9	DTT116PCPB-4	455	678
5	0.97	24.7	DTT116PCP-5	424	631	1.03	26.1	DTT116PCPB-5	580	863
6	1.06	26.9	DTT116PCP-6	492	732	1.11	28.2	DTT116PCPB-6	661	984
7	1.06	26.9	DTT116PCP-7	545	811	1.11	28.2	DTT116PCPB-7	714	1062
8	1.14	29.0	DTT116PCP-8	613	912	1.19	30.3	DTT116PCPB-8	795	1183
10	1.34	34.0	DTT116PCP-10	755	1123	1.39	35.4	DTT116PCPB-10	968	1440
12	1.38	35.1	DTT116PCP-12	868	1292	1.44	36.5	DTT116PCPB-12	1088	1619
14	1.46	37.0	DTT116PCP-14	987	1469	1.51	38.3	DTT116PCPB-14	1219	1813
16	1.54	39.0	DTT116PCP-16	1108	1649	1.59	40.4	DTT116PCPB-16	1352	2012
17	1.62	41.2	DTT116PCP-17	1176	1750	1.67	42.5	DTT116PCPB-17	1433	2133
19	1.62	41.2	DTT116PCP-19	1282	1908	1.67	42.5	DTT116PCPB-19	1539	2290
20	1.71	43.3	DTT116PCP-20	1350	2009	1.76	44.7	DTT116PCPB-20	1620	2411
24	1.97	50.0	DTT116PCP-24	1719	2559	2.02	51.3	DTT116PCPB-24	2030	3022
25	2.01	51.1	DTT116PCP-25	1783	2653	2.06	52.4	DTT116PCPB-22	2101	3126

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	Net Weight		Part Number	Net Weight	
Number of Triads				lb/kft	kg/km		lb/kft	kg/km
1	0.64	16.2	DTT116PCPAS-1	190	283	DTT116PCPBS-1	238	355
2	1.00	25.3	DTT116PCPAS-2	397	590	DTT116PCPBS-2	479	712
3	1.04	26.4	DTT116PCPAS-3	466	693	DTT116PCPBS-3	552	822
4	1.11	28.3	DTT116PCPAS-4	545	811	DTT116PCPBS-4	640	952
5	1.24	31.4	DTT116PCPAS-5	679	1010	DTT116PCPBS-5	787	1171
6	1.32	33.6	DTT116PCPAS-6	766	1140	DTT116PCPBS-6	883	1314
7	1.32	33.6	DTT116PCPAS-7	819	1219	DTT116PCPBS-7	936	1393
8	1.41	35.7	DTT116PCPAS-8	906	1349	DTT116PCPBS-8	1033	1537
10	1.60	40.7	DTT116PCPAS-10	1093	1627	DTT116PCPBS-10	1241	1846
12	1.65	41.8	DTT116PCPAS-12	1217	1811	DTT116PCPBS-12	1369	2038
14	1.72	43.7	DTT116PCPAS-14	1353	2013	DTT116PCPBS-14	1513	2251
16	1.87	47.4	DTT116PCPAS-16	1607	2392	DTT116PCPBS-16	1776	2643
17	1.95	49.5	DTT116PCPAS-17	1700	2530	DTT116PCPBS-17	1878	2795
19	1.95	49.5	DTT116PCPAS-19	1806	2687	DTT116PCPBS-19	1984	2952
20	2.03	51.7	DTT116PCPAS-20	1898	2825	DTT116PCPBS-20	2086	3104
24	2.30	58.3	DTT116PCPAS-24	2344	3489	DTT116PCPBS-24	2560	3810
25	2.34	59.4	DTT116PCPAS-25	2421	3602	DTT116PCPBS-25	2641	3930

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-Triads Signal & Instrumentation, 14 AWG-41 Strands, Individual 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	0.45	11.5	DTTI14PCP-1	115	172	0.51	12.8	DTTI14PCPB-1	190	283
2	0.80	20.3	DTTI14PCP-2	250	372	0.85	21.6	DTTI14PCPB-2	379	564
3	0.85	21.5	DTTI14PCP-3	332	493	0.90	22.9	DTTI14PCPB-3	468	696
4	0.97	24.7	DTTI14PCP-4	458	682	1.03	26.1	DTTI14PCPB-4	614	914
5	1.06	27.0	DTTI14PCP-5	549	818	1.12	28.3	DTTI14PCPB-5	719	1070
6	1.16	29.4	DTTI14PCP-6	641	954	1.21	30.7	DTTI14PCPB-6	826	1229
7	1.16	29.4	DTTI14PCP-7	716	1066	1.21	30.7	DTTI14PCPB-7	901	1340
8	1.25	31.8	DTTI14PCP-8	808	1203	1.31	33.1	DTTI14PCPB-8	1007	1499
10	1.47	37.4	DTTI14PCP-10	998	1485	1.53	38.7	DTTI14PCPB-10	1231	1832
12	1.52	38.6	DTTI14PCP-12	1156	1720	1.57	40.0	DTTI14PCPB-12	1397	2080
14	1.60	40.7	DTTI14PCP-14	1320	1965	1.66	42.1	DTTI14PCPB-14	1575	2343
16	1.69	43.0	DTTI14PCP-16	1486	2212	1.75	44.3	DTTI14PCPB-16	1754	2611
17	1.85	47.0	DTTI14PCP-17	1693	2519	1.91	48.4	DTTI14PCPB-17	1986	2955
19	1.85	47.0	DTTI14PCP-19	1843	2742	1.91	48.4	DTTI14PCPB-19	2136	3178
20	1.95	49.5	DTTI14PCP-20	1940	2888	2.00	50.8	DTTI14PCPB-20	2248	3346
24	2.17	55.1	DTTI14PCP-24	2293	3413	2.22	56.4	DTTI14PCPB-24	2636	3922
25	2.22	56.3	DTTI14PCP-25	2380	3542	2.27	57.6	DTTI14PCPB-25	2730	4063

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
			Part Number	Net Weight		Part Number	Net Weight	
Number of Triads	in	mm		lb/kft	kg/km		lb/kft	kg/km
1	0.67	17.1	DTTI14PCPAS-1	221	329	DTTI14PCPBS-1	27	406
2	1.06	27.0	DTTI14PCPAS-2	465	692	DTTI14PCPBS-2	554	825
3	1.11	28.2	DTTI14PCPAS-3	558	830	DTTI14PCPBS-3	652	970
4	1.24	31.4	DTTI14PCPAS-4	713	1061	DTTI14PCPBS-4	821	1222
5	1.33	33.7	DTTI14PCPAS-5	825	1227	DTTI14PCPBS-5	942	1402
6	1.42	36.1	DTTI14PCPAS-6	938	1396	DTTI14PCPBS-6	1066	1587
7	1.42	36.1	DTTI14PCPAS-7	1013	1508	DTTI14PCPBS-7	1141	1698
8	1.52	38.5	DTTI14PCPAS-8	1127	1677	DTTI14PCPBS-8	1265	1882
10	1.80	45.8	DTTI14PCPAS-10	1478	2200	DTTI14PCPBS-10	1640	2441
12	1.85	47.0	DTTI14PCPAS-12	1651	2457	DTTI14PCPBS-12	1818	2706
14	1.93	49.1	DTTI14PCPAS-14	1839	2737	DTTI14PCPBS-14	2015	2999
16	2.02	51.4	DTTI14PCPAS-16	2031	3023	DTTI14PCPBS-16	2217	3299
17	2.18	55.4	DTTI14PCPAS-17	2284	3399	DTTI14PCPBS-17	2487	3701
19	2.18	55.4	DTTI14PCPAS-19	2434	3622	DTTI14PCPBS-19	2637	3924
20	2.28	57.8	DTTI14PCPAS-20	2559	3809	DTTI14PCPBS-20	2773	4126
24	2.50	63.4	DTTI14PCPAS-24	2977	4430	DTTI14PCPBS-24	3214	4783
25	2.54	64.6	DTTI14PCPAS-25	3078	4580	DTTI14PCPBS-25	3320	4941

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-Triads Signal & Instrumentation, 12 AWG-65 Strands, Individual 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	DTTI12PCP-1	153	227	0.55	13.9	DTTI12PCPB-1	234	348
2	0.93	23.6	DTTI12PCP-2	368	548	0.98	24.9	DTTI12PCPB-2	517	769
3	0.98	25.0	DTTI12PCP-3	487	725	1.04	26.3	DTTI12PCPB-3	644	959
4	1.08	27.3	DTTI12PCP-4	612	911	1.13	28.7	DTTI12PCPB-4	784	1167
5	1.18	29.9	DTTI12PCP-5	740	1101	1.23	31.3	DTTI12PCPB-5	928	1380
6	1.29	32.7	DTTI12PCP-6	868	1291	1.34	34.0	DTTI12PCPB-6	1072	1596
7	1.29	32.7	DTTI12PCP-7	976	1453	1.34	34.0	DTTI12PCPB-7	1181	1758
8	1.39	35.4	DTTI12PCP-8	1105	1644	1.45	36.7	DTTI12PCPB-8	1326	1973
10	1.64	41.7	DTTI12PCP-10	1367	2035	1.70	43.1	DTTI12PCPB-10	1628	2422
12	1.70	43.1	DTTI12PCP-12	1595	2373	1.75	44.5	DTTI12PCPB-12	1864	2773
14	1.86	47.1	DTTI12PCP-14	1944	2892	1.91	48.5	DTTI12PCPB-14	2237	3329
16	1.96	49.7	DTTI12PCP-16	2186	3253	2.01	51.1	DTTI12PCPB-16	2496	3714
17	2.07	52.5	DTTI12PCP-17	2321	3454	2.12	53.8	DTTI12PCPB-17	2647	3939
19	2.07	52.5	DTTI12PCP-19	2538	3777	2.12	53.8	DTTI12PCPB-19	2865	4263
20	2.17	55.2	DTTI12PCP-20	2673	3978	2.23	56.5	DTTI12PCPB-20	3016	4488
24	2.42	61.5	DTTI12PCP-24	3169	4716	2.48	62.9	DTTI12PCPB-24	3551	5285
25	2.48	62.9	DTTI12PCP-25	3291	4898	2.53	64.3	DTTI12PCPB-25	3682	5479

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.72	18.2	DTTI12PCPAS-1	267	397	DTTI12PCPBS-1	323	481
2	1.19	30.3	DTTI12PCPAS-2	613	912	DTTI12PCPBS-2	716	1065
3	1.25	31.7	DTTI12PCPAS-3	744	1107	DTTI12PCPBS-3	853	1269
4	1.34	34.0	DTTI12PCPAS-4	890	1325	DTTI12PCPBS-4	1010	1502
5	1.44	36.6	DTTI12PCPAS-5	1041	1550	DTTI12PCPBS-5	1172	1743
6	1.55	39.4	DTTI12PCPAS-6	1194	1777	DTTI12PCPBS-6	1336	1988
7	1.55	39.4	DTTI12PCPAS-7	1303	1938	DTTI12PCPBS-7	1444	2150
8	1.66	42.1	DTTI12PCPAS-8	455	2166	DTTI12PCPBS-8	1609	2394
10	1.97	50.1	DTTI12PCPAS-10	1897	2824	DTTI12PCPBS-10	2078	3092
12	2.03	51.5	DTTI12PCPAS-12	2141	3186	DTTI12PCPBS-12	2327	3464
14	2.18	55.5	DTTI12PCPAS-14	2536	3774	DTTI12PCPBS-14	2739	4076
16	2.29	58.1	DTTI12PCPAS-16	2808	4179	DTTI12PCPBS-16	3023	4499
17	2.39	60.8	DTTI12PCPAS-17	2974	4426	DTTI12PCPBS-17	3201	4763
19	2.39	60.8	DTTI12PCPAS-19	3192	4750	DTTI12PCPBS-19	3418	5086
20	2.50	63.5	DTTI12PCPAS-20	3358	4997	DTTI12PCPBS-20	3596	5351
24	2.75	69.9	DTTI12PCPAS-24	3927	5844	DTTI12PCPBS-24	4192	6238
25	2.81	71.3	DTTI12PCPAS-25	4065	6050	DTTI12PCPBS-25	4336	6452

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-Triads Signal & Instrumentation, 10 AWG-105 Strands, Individual 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	0.59	15.1	DTTI10PCP-1	231	344	0.65	16.4	DTTI10PCPB-1	328	488
2	1.06	27.0	DTTI10PCP-2	503	748	1.12	28.3	DTTI10PCPB-2	673	1001
3	1.13	28.7	DTTI10PCP-3	679	1010	1.18	30.0	DTTI10PCPB-3	859	1278
4	1.24	31.5	DTTI10PCP-4	862	1283	1.29	32.8	DTTI10PCPB-4	1060	1577
5	1.36	34.6	DTTI10PCP-5	1048	1560	1.41	35.9	DTTI10PCPB-5	1264	1881
6	1.49	37.8	DTTI10PCP-6	1235	1838	1.54	39.1	DTTI10PCPB-6	1471	2189
7	1.49	37.8	DTTI10PCP-7	1399	2082	1.54	39.1	DTTI10PCPB-7	1635	2433
8	1.62	41.1	DTTI10PCP-8	1586	2360	1.67	42.4	DTTI10PCPB-8	1842	2741
10	1.98	50.2	DTTI10PCP-10	2090	3110	2.03	51.6	DTTI10PCPB-10	2402	3575
12	2.04	51.9	DTTI10PCP-12	2433	3621	2.10	53.2	DTTI10PCPB-12	2756	4101
14	2.15	54.7	DTTI10PCP-14	2788	4148	2.21	56.0	DTTI10PCPB-14	3128	4654
16	2.28	57.8	DTTI10PCP-16	3145	4680	2.33	59.1	DTTI10PCPB-16	3504	5214
17	2.40	61.0	DTTI10PCP-17	3340	4970	2.46	62.4	DTTI10PCPB-17	3719	5534
19	2.40	61.0	DTTI10PCP-19	3667	5458	2.46	62.4	DTTI10PCPB-19	4046	6022
20	2.53	64.3	DTTI10PCP-20	3862	5748	2.58	65.6	DTTI10PCPB-20	4261	6341
24	2.83	71.9	DTTI10PCP-24	4590	6831	2.88	73.2	DTTI10PCPB-24	5035	7493
25	2.96	75.2	DTTI10PCP-25	4960	7382	3.01	76.5	DTTI10PCPB-25	5426	8075

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.81	20.7	DTTI10PCPAS-1	363	541	DTTI10PCPBS-1	430	641
2	1.33	33.7	DTTI10PCPAS-2	778	1158	DTTI10PCPBS-2	896	1333
3	1.39	35.4	DTTI10PCPAS-3	969	1442	DTTI10PCPBS-3	1094	1627
4	1.50	38.2	DTTI10PCPAS-4	1178	1753	DTTI10PCPBS-4	1314	1956
5	1.62	41.3	DTTI10PCPAS-5	1391	2071	DTTI10PCPBS-5	1541	2294
6	1.82	46.1	DTTI10PCPAS-6	1720	2560	DTTI10PCPBS-6	1884	2803
7	1.82	46.1	DTTI10PCPAS-7	1884	2803	DTTI10PCPBS-7	2048	3047
8	1.94	49.4	DTTI10PCPAS-8	2108	3137	DTTI10PCPBS-8	2286	3401
10	2.31	58.6	DTTI10PCPAS-10	2718	4044	DTTI10PCPBS-10	2934	4367
12	2.37	60.3	DTTI10PCPAS-12	3080	4584	DTTI10PCPBS-12	3304	4917
14	2.48	63.1	DTTI10PCPAS-14	3467	5159	DTTI10PCPBS-14	3703	5510
16	2.60	66.1	DTTI10PCPAS-16	3860	5744	DTTI10PCPBS-16	4108	6114
17	2.73	69.4	DTTI10PCPAS-17	4092	6089	DTTI10PCPBS-17	4355	6480
19	2.73	69.4	DTTI10PCPAS-19	4419	6577	DTTI10PCPBS-19	4682	6968
20	2.93	74.3	DTTI10PCPAS-20	4840	7203	DTTI10PCPBS-20	5117	7614
24	3.22	81.9	DTTI10PCPAS-24	5674	8444	DTTI10PCPBS-24	5983	8903
25	3.36	85.2	DTTI10PCPAS-25	6091	9065	DTTI10PCPBS-25	6414	9545

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.

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