

# 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, CO<sub>2</sub> 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.

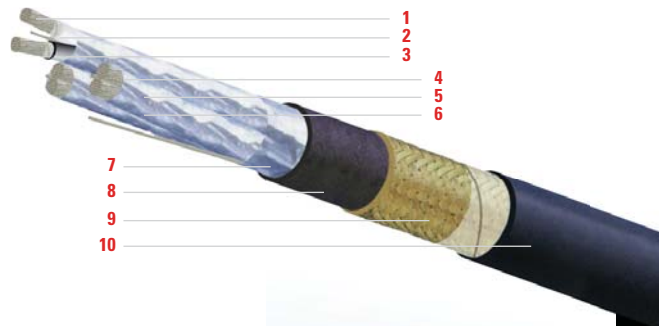
## Engineering Information

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

**Sizes:** 20 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, 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	DTTO20PCP-1	56	84	0.39	9.8	DTTO20PCPB-1	113	168
2	0.59	14.9	DTTO20PCP-2	123	183	0.64	16.2	DTTO20PCPB-2	218	325
3	0.62	15.7	DTTO20PCP-3	152	226	0.67	17.1	DTTO20PCPB-3	252	376
4	0.68	17.2	DTTO20PCP-4	184	273	0.73	18.5	DTTO20PCPB-4	293	436
5	0.74	18.8	DTTO20PCP-5	216	322	0.79	20.1	DTTO20PCPB-5	336	500
6	0.80	20.4	DTTO20PCP-6	250	372	0.86	21.8	DTTO20PCPB-6	379	565
7	0.80	20.4	DTTO20PCP-7	274	407	0.86	21.8	DTTO20PCPB-7	403	600
8	0.91	23.2	DTTO20PCP-8	345	513	0.97	24.6	DTTO20PCPB-8	492	732
10	1.07	27.1	DTTO20PCP-10	421	627	1.12	28.4	DTTO20PCPB-10	592	881
12	1.10	28.0	DTTO20PCP-12	475	708	1.16	29.3	DTTO20PCPB-12	652	970
14	1.16	29.4	DTTO20PCP-14	534	794	1.21	30.8	DTTO20PCPB-14	719	1069
16	1.22	31.0	DTTO20PCP-16	593	883	1.27	32.4	DTTO20PCPB-16	788	1173
17	1.29	32.7	DTTO20PCP-17	629	937	1.34	34.0	DTTO20PCPB-17	834	1241
19	1.29	32.7	DTTO20PCP-19	677	1008	1.34	34.0	DTTO20PCPB-19	882	1313
20	1.35	34.4	DTTO20PCP-20	713	1061	1.41	35.7	DTTO20PCPB-20	928	1382
24	1.51	38.3	DTTO20PCP-24	837	1246	1.56	39.6	DTTO20PCPB-24	1077	1602

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.52	13.3	DTTO20PCPAS-1	124	185	DTTO20PCPBS-1	163	243
2	0.81	20.5	DTTO20PCPAS-2	254	377	DTTO20PCPBS-2	320	476
3	0.84	21.3	DTTO20PCPAS-3	289	430	DTTO20PCPBS-3	359	534
4	0.94	23.9	DTTO20PCPAS-4	370	551	DTTO20PCPBS-4	446	664
5	1.00	25.5	DTTO20PCPAS-5	418	622	DTTO20PCPBS-5	501	745
6	1.07	27.2	DTTO20PCPAS-6	466	693	DTTO20PCPBS-6	556	827
7	1.07	27.2	DTTO20PCPAS-7	490	729	DTTO20PCPBS-7	580	863
8	1.18	29.9	DTTO20PCPAS-8	586	872	DTTO20PCPBS-8	688	1024
10	1.33	33.8	DTTO20PCPAS-10	698	1038	DTTO20PCPBS-10	816	1214
12	1.37	34.7	DTTO20PCPAS-12	760	1131	DTTO20PCPBS-12	882	1312
14	1.42	36.1	DTTO20PCPAS-14	831	1236	DTTO20PCPBS-14	959	1427
16	1.49	37.7	DTTO20PCPAS-16	905	1347	DTTO20PCPBS-16	1040	1548
17	1.55	39.4	DTTO20PCPAS-17	956	1423	DTTO20PCPBS-17	1098	1634
19	1.55	39.4	DTTO20PCPAS-19	1004	1494	DTTO20PCPBS-19	1146	1705
20	1.62	41.1	DTTO20PCPAS-20	1055	1570	DTTO20PCPBS-20	1204	1792
24	1.84	46.6	DTTO20PCPAS-24	1328	1976	DTTO20PCPBS-24	1494	2223

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, 18 AWG-16 Strands, 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	0.36	9.1	DTT018PCP-1	68	101	0.41	10.4	DTT018PCPB-1	128	190
2	0.63	16.0	DTT018PCP-2	147	218	0.68	17.4	DTT018PCPB-2	249	371
3	0.67	17.0	DTT018PCP-3	184	274	0.72	18.3	DTT018PCPB-3	293	435
4	0.73	18.6	DTT018PCP-4	225	335	0.79	19.9	DTT018PCPB-4	344	511
5	0.80	20.3	DTT018PCP-5	267	398	0.85	21.7	DTT018PCPB-5	396	590
6	0.92	23.3	DTT018PCP-6	348	518	0.97	24.6	DTT018PCPB-6	495	737
7	0.92	23.3	DTT018PCP-7	380	566	0.97	24.6	DTT018PCPB-7	527	785
8	0.99	25.1	DTT018PCP-8	426	634	1.04	26.5	DTT018PCPB-8	584	870
10	1.16	29.5	DTT018PCP-10	521	776	1.21	30.8	DTT018PCPB-10	706	1051
12	1.20	30.4	DTT018PCP-12	593	882	1.25	31.7	DTT018PCPB-12	783	1166
14	1.26	32.0	DTT018PCP-14	669	995	1.31	33.4	DTT018PCPB-14	869	1294
16	1.33	33.8	DTT018PCP-16	746	1110	1.38	35.1	DTT018PCPB-16	957	1424
17	1.40	35.6	DTT018PCP-17	791	1178	1.45	36.9	DTT018PCPB-17	1014	1509
19	1.40	35.6	DTT018PCP-19	856	1273	1.45	36.9	DTT018PCPB-19	1078	1605
20	1.47	37.5	DTT018PCP-20	901	1341	1.53	38.8	DTT018PCPB-20	1135	1689
24	1.64	41.8	DTT018PCP-24	1061	1579	1.70	43.1	DTT018PCPB-24	1322	1967

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.58	14.7	DTT018PCPAS-1	156	233	DTT018PCPBS-1	198	294
2	0.85	21.6	DTT018PCPAS-2	286	426	DTT018PCPBS-2	357	531
3	0.93	23.7	DTT018PCPAS-3	369	550	DTT018PCPBS-3	444	661
4	1.00	25.3	DTT018PCPAS-4	425	633	DTT018PCPBS-4	507	755
5	1.06	27.1	DTT018PCPAS-5	483	718	DTT018PCPBS-5	572	851
6	1.18	30.0	DTT018PCPAS-6	590	878	DTT018PCPBS-6	692	1030
7	1.18	30.0	DTT018PCPAS-7	622	926	DTT018PCPBS-7	724	1078
8	1.25	31.9	DTT018PCPAS-8	684	1019	DTT018PCPBS-8	794	1182
10	1.42	36.2	DTT018PCPAS-10	819	1218	DTT018PCPBS-10	947	1409
12	1.46	37.1	DTT018PCPAS-12	899	1337	DTT018PCPBS-12	1031	1534
14	1.52	38.7	DTT018PCPAS-14	989	1472	DTT018PCPBS-14	1128	1679
16	1.59	40.5	DTT018PCPAS-16	1082	1610	DTT018PCPBS-16	1228	1828
17	1.67	42.3	DTT018PCPAS-17	1144	1703	DTT018PCPBS-17	1298	1932
19	1.67	42.3	DTT018PCPAS-19	1208	1798	DTT018PCPBS-19	1363	2028
20	1.80	45.8	DTT018PCPAS-20	1382	2057	DTT018PCPBS-20	1545	2299
24	1.97	50.1	DTT018PCPAS-24	1592	2369	DTT018PCPBS-24	1772	2637

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.

Technical Data *continued*

## Type P-Triads Signal & Instrumentation, 16 AWG-26 Strands, 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	9.8	DTT016PCP-1	86	127	0.44	11.2	DTT016PCPB-1	150	223
2	0.69	17.5	DTT016PCP-2	183	272	0.74	18.8	DTT016PCPB-2	294	438
3	0.73	18.6	DTT016PCP-3	234	348	0.78	19.9	DTT016PCPB-3	352	524
4	0.80	20.4	DTT016PCP-4	289	430	0.85	21.7	DTT016PCPB-4	418	622
5	0.92	23.5	DTT016PCP-5	384	571	0.98	24.8	DTT016PCPB-5	532	791
6	1.00	25.5	DTT016PCP-6	444	660	1.06	26.8	DTT016PCPB-6	605	900
7	1.00	25.5	DTT016PCP-7	489	728	1.06	26.8	DTT016PCPB-7	650	967
8	1.09	27.6	DTT016PCP-8	549	817	1.14	28.9	DTT016PCPB-8	722	1075
10	1.28	32.4	DTT016PCP-10	674	1004	1.33	33.7	DTT016PCPB-10	877	1306
12	1.32	33.5	DTT016PCP-12	772	1149	1.37	34.8	DTT016PCPB-12	982	1461
14	1.39	35.3	DTT016PCP-14	876	1303	1.44	36.6	DTT016PCPB-14	1096	1631
16	1.47	37.2	DTT016PCP-16	980	1459	1.52	38.6	DTT016PCPB-16	1213	1805
17	1.55	39.3	DTT016PCP-17	1040	1548	1.60	40.6	DTT016PCPB-17	1286	1913
19	1.55	39.3	DTT016PCP-19	1131	1682	1.60	40.6	DTT016PCPB-19	1376	2048
20	1.63	41.4	DTT016PCP-20	1191	1772	1.68	42.7	DTT016PCPB-20	1449	2156
24	1.88	47.8	DTT016PCP-24	1523	2266	1.94	49.2	DTT016PCPB-24	1821	2710

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.61	15.4	DTT016PCPAS-1	179	267	DTT016PCPBS-1	224	333
2	0.95	24.2	DTT016PCPAS-2	373	555	DTT016PCPBS-2	450	670
3	1.00	25.3	DTT016PCPAS-3	433	645	DTT016PCPBS-3	515	767
4	1.07	27.1	DTT016PCPAS-4	505	751	DTT016PCPBS-4	594	884
5	1.19	30.2	DTT016PCPAS-5	627	933	DTT016PCPBS-5	730	1086
6	1.27	32.2	DTT016PCPAS-6	706	1050	DTT016PCPBS-6	817	1216
7	1.27	32.2	DTT016PCPAS-7	751	1117	DTT016PCPBS-7	862	1283
8	1.35	34.3	DTT016PCPAS-8	829	1234	DTT016PCPBS-8	950	1413
10	1.54	39.1	DTT016PCPAS-10	998	1486	DTT016PCPBS-10	1139	1695
12	1.58	40.2	DTT016PCPAS-12	1106	1646	DTT016PCPBS-12	1251	1862
14	1.65	42.0	DTT016PCPAS-14	1225	1823	DTT016PCPBS-14	1378	2051
16	1.73	44.0	DTT016PCPAS-16	1348	2006	DTT016PCPBS-16	1509	2246
17	1.88	47.7	DTT016PCPAS-17	1543	2296	DTT016PCPBS-17	1713	2549
19	1.88	47.7	DTT016PCPAS-19	1633	2430	DTT016PCPBS-19	1803	2683
20	1.96	49.7	DTT016PCPAS-20	1717	2555	DTT016PCPBS-20	1896	2821
24	2.21	56.2	DTT016PCPAS-24	2123	3160	DTT016PCPBS-24	2330	3467

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, 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	0.42	10.7	DTT014PCP-1	110	164	0.47	12.0	DTT014PCPB-1	180	268
2	0.76	19.2	DTT014PCP-2	232	346	0.81	20.5	DTT014PCPB-2	354	527
3	0.80	20.4	DTT014PCP-3	303	450	0.86	21.7	DTT014PCPB-3	432	643
4	0.93	23.5	DTT014PCP-4	416	619	0.98	24.8	DTT014PCPB-4	564	840
5	1.01	25.7	DTT014PCP-5	496	738	1.07	27.1	DTT014PCPB-5	658	979
6	1.10	28.1	DTT014PCP-6	576	858	1.16	29.4	DTT014PCPB-6	753	1120
7	1.10	28.1	DTT014PCP-7	640	952	1.16	29.4	DTT014PCPB-7	816	1215
8	1.20	30.4	DTT014PCP-8	720	1072	1.25	31.7	DTT014PCPB-8	911	1356
10	1.41	35.8	DTT014PCP-10	887	1320	1.46	37.1	DTT014PCPB-10	1111	1653
12	1.46	37.0	DTT014PCP-12	1023	1522	1.51	38.3	DTT014PCPB-12	1254	1866
14	1.54	39.0	DTT014PCP-14	1165	1733	1.59	40.3	DTT014PCPB-14	1408	2096
16	1.62	41.2	DTT014PCP-16	1308	1947	1.68	42.5	DTT014PCPB-16	1565	2329
17	1.71	43.5	DTT014PCP-17	1389	2067	1.77	44.9	DTT014PCPB-17	1660	2471
19	1.71	43.5	DTT014PCP-19	1516	2256	1.77	44.9	DTT014PCPB-19	1787	2660
20	1.87	47.5	DTT014PCP-20	1712	2548	1.92	48.8	DTT014PCPB-20	2008	2988
24	2.08	52.9	DTT014PCP-24	2020	3006	2.14	54.3	DTT014PCPB-24	2349	3495

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.64	16.3	DTT014PCPAS-1	210	313	DTT014PCPBS-1	258	385
2	1.02	25.9	DTT014PCPAS-2	437	651	DTT014PCPBS-2	522	777
3	1.07	27.1	DTT014PCPAS-3	518	771	DTT014PCPBS-3	608	905
4	1.19	30.2	DTT014PCPAS-4	660	982	DTT014PCPBS-4	763	1135
5	1.28	32.4	DTT014PCPAS-5	760	1130	DTT014PCPBS-5	872	1298
6	1.37	34.8	DTT014PCPAS-6	861	1281	DTT014PCPBS-6	983	1463
7	1.37	34.8	DTT014PCPAS-7	925	1376	DTT014PCPBS-7	1047	1558
8	1.46	37.1	DTT014PCPAS-8	1026	1527	DTT014PCPBS-8	1158	1724
10	1.67	42.5	DTT014PCPAS-10	1242	1848	DTT014PCPBS-10	1397	2078
12	1.72	43.7	DTT014PCPAS-12	1388	2066	DTT014PCPBS-12	1548	2304
14	1.86	47.3	DTT014PCPAS-14	1664	2476	DTT014PCPBS-14	1832	2727
16	1.95	49.6	DTT014PCPAS-16	1832	2727	DTT014PCPBS-16	2011	2992
17	2.04	51.9	DTT014PCPAS-17	1940	2886	DTT014PCPBS-17	2128	3166
19	2.04	51.9	DTT014PCPAS-19	2067	3076	DTT014PCPBS-19	2255	3356
20	2.20	55.8	DTT014PCPAS-20	2309	3436	DTT014PCPBS-20	2514	3741
24	2.41	61.3	DTT014PCPAS-24	2678	3986	DTT014PCPBS-24	2906	4325

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, 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	0.46	11.8	DTT012PCP-1	147	219	0.52	13.1	DTT012PCPB-1	224	333
2	0.84	21.4	DTT012PCP-2	306	456	0.89	22.7	DTT012PCPB-2	442	657
3	0.94	23.9	DTT012PCP-3	445	663	0.99	25.2	DTT012PCPB-3	596	887
4	1.03	26.1	DTT012PCP-4	554	825	1.08	27.5	DTT012PCPB-4	719	1069
5	1.13	28.7	DTT012PCP-5	665	989	1.18	30.0	DTT012PCPB-5	845	1257
6	1.23	31.3	DTT012PCP-6	776	1155	1.29	32.6	DTT012PCPB-6	973	1447
7	1.23	31.3	DTT012PCP-7	868	1292	1.29	32.6	DTT012PCPB-7	1065	1584
8	1.34	33.9	DTT012PCP-8	980	1458	1.39	35.3	DTT012PCPB-8	1192	1774
10	1.58	40.1	DTT012PCP-10	1209	1800	1.63	41.5	DTT012PCPB-10	1460	2172
12	1.63	41.5	DTT012PCP-12	1404	2089	1.69	42.8	DTT012PCPB-12	1663	2474
14	1.72	43.8	DTT012PCP-14	1605	2388	1.78	45.1	DTT012PCPB-14	1878	2794
16	1.89	47.9	DTT012PCP-16	1925	2864	1.94	49.3	DTT012PCPB-16	2223	3308
17	1.99	50.6	DTT012PCP-17	2043	3040	2.04	51.9	DTT012PCPB-17	2357	3508
19	1.99	50.6	DTT012PCP-19	2227	3314	2.04	51.9	DTT012PCPB-19	2542	3783
20	2.10	53.2	DTT012PCP-20	2345	3490	2.15	54.6	DTT012PCPB-20	2676	3982
24	2.34	59.4	DTT012PCP-24	2774	4128	2.39	60.7	DTT012PCPB-24	3143	4677

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.68	17.4	DTT012PCPAS-1	255	380	DTT012PCPBS-1	308	459
2	1.11	28.1	DTT012PCPAS-2	531	790	DTT012PCPBS-2	625	930
3	1.20	30.6	DTT012PCPAS-3	692	1030	DTT012PCPBS-3	797	1186
4	1.29	32.8	DTT012PCPAS-4	822	1223	DTT012PCPBS-4	936	1392
5	1.39	35.4	DTT012PCPAS-5	955	1421	DTT012PCPBS-5	1080	1607
6	1.50	38.0	DTT012PCPAS-6	1090	1622	DTT012PCPBS-6	1226	1825
7	1.50	38.0	DTT012PCPAS-7	1182	1760	DTT012PCPBS-7	1319	1962
8	1.60	40.7	DTT012PCPAS-8	1318	1961	DTT012PCPBS-8	1465	2180
10	1.91	48.5	DTT012PCPAS-10	1721	2561	DTT012PCPBS-10	1895	2820
12	1.96	49.8	DTT012PCPAS-12	1931	2874	DTT012PCPBS-12	2111	3141
14	2.05	52.1	DTT012PCPAS-14	2158	3212	DTT012PCPBS-14	2347	3493
16	2.22	56.3	DTT012PCPAS-16	2526	3759	DTT012PCPBS-16	2733	4067
17	2.32	58.9	DTT012PCPAS-17	2674	3980	DTT012PCPBS-17	2893	4305
19	2.32	58.9	DTT012PCPAS-19	2859	4255	DTT012PCPBS-19	3077	4579
20	2.42	61.6	DTT012PCPAS-20	3007	4475	DTT012PCPBS-20	3237	4817
24	2.67	67.8	DTT012PCPAS-24	3507	5220	DTT012PCPBS-24	3763	5600

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, 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	0.53	13.5	DTTO10PCP-1	208	309	0.58	14.8	DTTO10PCPB-1	295	438
2	1.02	25.9	DTTO10PCP-2	469	698	1.07	27.3	DTTO10PCPB-2	632	941
3	1.08	27.6	DTTO10PCP-3	620	923	1.14	28.9	DTTO10PCPB-3	793	1180
4	1.19	30.3	DTTO10PCP-4	779	1159	1.24	31.6	DTTO10PCPB-4	969	1441
5	1.31	33.3	DTTO10PCP-5	939	1398	1.36	34.6	DTTO10PCPB-5	1148	1708
6	1.44	36.5	DTTO10PCP-6	1101	1639	1.49	37.8	DTTO10PCPB-6	1329	1978
7	1.44	36.5	DTTO10PCP-7	1240	1846	1.49	37.8	DTTO10PCPB-7	1468	2185
8	1.56	39.6	DTTO10PCP-8	1402	2087	1.61	40.9	DTTO10PCPB-8	1650	2455
10	1.91	48.6	DTTO10PCP-10	1853	2757	1.97	50.0	DTTO10PCPB-10	2155	3207
12	1.98	50.3	DTTO10PCP-12	2147	3194	2.03	51.6	DTTO10PCPB-12	2459	3660
14	2.09	53.0	DTTO10PCP-14	2451	3647	2.14	54.3	DTTO10PCPB-14	2780	4138
16	2.20	56.0	DTTO10PCP-16	2758	4105	2.26	57.3	DTTO10PCPB-16	3106	4623
17	2.33	59.2	DTTO10PCP-17	2928	4358	2.38	60.5	DTTO10PCPB-17	3296	4904
19	2.33	59.2	DTTO10PCP-19	206	4771	2.38	60.5	DTTO10PCPB-19	3573	5318
20	2.45	62.3	DTTO10PCP-20	3376	5024	2.51	63.7	DTTO10PCPB-20	3763	5600
24	2.74	69.7	DTTO10PCP-24	4004	5958	2.80	71.0	DTTO10PCPB-24	4436	6601

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.75	19.1	DTTO10PCPAS-1	328	489	DTTO10PCPBS-1	388	578
2	1.28	32.6	DTTO10PCPAS-2	735	1093	DTTO10PCPBS-2	848	1261
3	1.35	34.3	DTTO10PCPAS-3	900	1340	DTTO10PCPBS-3	1020	1518
4	1.46	37.0	DTTO10PCPAS-4	1083	1612	DTTO10PCPBS-4	1215	1808
5	1.57	40.0	DTTO10PCPAS-5	1271	1892	DTTO10PCPBS-5	1416	2107
6	1.70	43.2	DTTO10PCPAS-6	1462	2176	DTTO10PCPBS-6	1620	2411
7	1.70	43.2	DTTO10PCPAS-7	1601	2382	DTTO10PCPBS-7	1759	2617
8	1.89	48.0	DTTO10PCPAS-8	1908	2840	DTTO10PCPBS-8	2080	3095
10	2.24	57.0	DTTO10PCPAS-10	2462	3664	DTTO10PCPBS-10	2672	3976
12	2.31	58.6	DTTO10PCPAS-12	2775	4129	DTTO10PCPBS-12	2992	4452
14	2.41	61.3	DTTO10PCPAS-14	3111	4629	DTTO10PCPBS-14	3339	4969
16	2.53	64.3	DTTO10PCPAS-16	3452	5138	DTTO10PCPBS-16	3694	5497
17	2.66	67.5	DTTO10PCPAS-17	3659	5445	DTTO10PCPBS-17	3913	5824
19	2.66	67.5	DTTO10PCPAS-19	3937	5858	DTTO10PCPBS-19	4191	6237
20	2.78	70.7	DTTO10PCPAS-20	4143	6165	DTTO10PCPBS-20	4411	6564
24	3.14	79.8	DTTO10PCPAS-24	5057	7526	DTTO10PCPBS-24	5357	7972

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.

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