

# Type P Drilmar® 125-XE Signal & Instrumentation

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

**CME**<sup>®</sup>  
wire and cable

A Viakable Company

## 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.

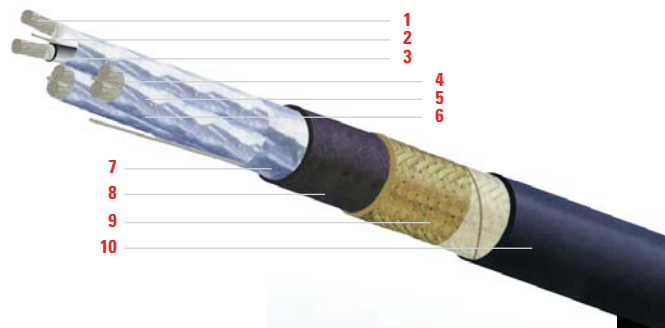
## Engineering Information

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

**Sizes:** 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-Triads 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	0.33	8.4	DTTS20PCPE-1	55	82	0.38	9.7	DTTS20PCPEB-1	110	164
2	0.60	15.3	DTTS20PCPE-2	132	196	0.65	16.6	DTTS20PCPEB-2	229	341
3	0.64	16.2	DTTS20PCPE-3	165	245	0.69	17.5	DTTS20PCPEB-3	268	399
4	0.70	17.7	DTTS20PCPE-4	201	300	0.75	19.0	DTTS20PCPEB-4	314	467
5	0.76	19.4	DTTS20PCPE-5	239	355	0.82	20.7	DTTS20PCPEB-5	362	538
6	0.83	21.1	DTTS20PCPE-6	276	411	0.88	22.4	DTTS20PCPEB-6	410	610
7	0.83	21.1	DTTS20PCPE-7	305	453	0.88	22.4	DTTS20PCPEB-7	438	652
8	0.94	24.0	DTTS20PCPE-8	382	568	1.00	25.3	DTTS20PCPEB-8	533	793
10	1.10	28.1	DTTS20PCPE-10	467	695	1.16	29.4	DTTS20PCPEB-10	644	958
12	1.14	29.0	DTTS20PCPE-12	530	789	1.19	30.3	DTTS20PCPEB-12	712	1060
14	1.20	30.5	DTTS20PCPE-14	598	889	1.25	31.8	DTTS20PCPEB-14	789	1174
16	1.27	32.1	DTTS20PCPE-16	666	991	1.32	33.5	DTTS20PCPEB-16	867	1291
17	1.33	33.9	DTTS20PCPE-17	707	1051	1.39	35.2	DTTS20PCPEB-17	919	137
19	1.33	33.9	DTTS20PCPE-19	763	1136	1.39	35.2	DTTS20PCPEB-19	975	1451
20	1.40	35.6	DTTS20PCPE-20	804	1196	1.46	37.0	DTTS20PCPEB-20	1027	1528
24	1.56	39.7	DTTS20PCPE-24	946	1408	1.62	41.1	DTTS20PCPEB-24	1194	1777

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.48	12.2	DTTS20PCPEAS-1	118	176	DTTS20PCPEBS-1	156	233
2	0.78	19.9	DTTS20PCPEAS-2	260	388	DTTS20PCPEBS-2	328	488
3	0.82	20.8	DTTS20PCPEAS-3	300	447	DTTS20PCPEBS-3	372	553
4	0.92	23.5	DTTS20PCPEAS-4	386	575	DTTS20PCPEBS-4	465	691
5	0.99	25.1	DTTS20PCPEAS-5	439	653	DTTS20PCPEBS-5	524	780
6	1.06	26.9	DTTS20PCPEAS-6	492	732	DTTS20PCPEBS-6	585	870
7	1.06	26.9	DTTS20PCPEAS-7	520	774	DTTS20PCPEBS-7	613	912
8	1.17	29.7	DTTS20PCPEAS-8	623	927	DTTS20PCPEBS-8	728	1083
10	1.33	33.8	DTTS20PCPEAS-10	746	1109	DTTS20PCPEBS-10	868	1291
12	1.37	34.7	DTTS20PCPEAS-12	817	1215	DTTS20PCPEBS-12	943	1403
14	1.43	36.2	DTTS20PCPEAS-14	898	1336	DTTS20PCPEBS-14	1030	1533
16	1.49	37.9	DTTS20PCPEAS-16	981	1460	DTTS20PCPEBS-16	1121	1668
17	1.56	39.7	DTTS20PCPEAS-17	1037	1544	DTTS20PCPEBS-17	1185	1763
19	1.56	39.7	DTTS20PCPEAS-19	1094	1628	DTTS20PCPEBS-19	1241	1847
20	1.63	41.4	DTTS20PCPEAS-20	1150	1712	DTTS20PCPEBS-20	1305	1942
24	1.86	47.1	DTTS20PCPEAS-24	1444	2149	DTTS20PCPEBS-24	1616	2405

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, 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	0.35	9.0	DTTS18PCPE-1	66	99	0.41	10.3	DTTS18PCPEB-1	125	186
2	0.65	16.4	DTTS18PCPE-2	158	235	0.70	17.8	DTTS18PCPEB-2	263	391
3	0.69	17.4	DTTS18PCPE-3	201	299	0.74	18.8	DTTS18PCPEB-3	312	465
4	0.75	19.1	DTTS18PCPE-4	248	369	0.80	20.4	DTTS18PCPEB-4	369	549
5	0.82	20.9	DTTS18PCPE-5	295	440	0.88	22.3	DTTS18PCPEB-5	428	637
6	0.94	24.0	DTTS18PCPE-6	383	570	1.00	25.3	DTTS18PCPEB-6	534	795
7	0.94	24.0	DTTS18PCPE-7	421	626	1.00	25.3	DTTS18PCPEB-7	572	851
8	1.02	25.9	DTTS18PCPE-8	472	703	1.07	27.2	DTTS18PCPEB-8	635	945
10	1.20	30.4	DTTS18PCPE-10	579	862	1.25	31.7	DTTS18PCPEB-10	770	1146
12	1.24	31.4	DTTS18PCPE-12	662	985	1.29	32.7	DTTS18PCPEB-12	859	1278
14	1.30	33.0	DTTS18PCPE-14	749	1115	1.35	34.4	DTTS18PCPEB-14	956	1423
16	1.37	34.9	DTTS18PCPE-16	838	1247	1.43	36.2	DTTS18PCPEB-16	1056	1571
17	1.45	36.8	DTTS18PCPE-17	889	1323	1.50	38.1	DTTS18PCPEB-17	1119	1666
19	1.45	36.8	DTTS18PCPE-19	965	1436	1.50	38.1	DTTS18PCPEB-19	1195	1778
20	1.52	38.7	DTTS18PCPE-20	1016	1512	1.58	40.1	DTTS18PCPEB-20	1258	1872
24	1.70	43.2	DTTS18PCPE-24	1199	1784	1.75	44.6	DTTS18PCPEB-24	1468	2185

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.50	12.8	DTTS18PCPEAS-1	133	198	DTTS18PCPEBS-1	174	259
2	0.83	21.1	DTTS18PCPEAS-2	295	439	DTTS18PCPEBS-2	368	548
3	0.91	23.2	DTTS18PCPEAS-3	384	571	DTTS18PCPEBS-3	461	686
4	0.98	24.9	DTTS18PCPEAS-4	445	663	DTTS18PCPEBS-4	530	788
5	1.05	26.7	DTTS18PCPEAS-5	510	758	DTTS18PCPEBS-5	601	895
6	1.17	29.7	DTTS18PCPEAS-6	624	929	DTTS18PCPEBS-6	729	1085
7	1.17	29.7	DTTS18PCPEAS-7	662	985	DTTS18PCPEBS-7	767	1141
8	1.25	31.6	DTTS18PCPEAS-8	731	1088	DTTS18PCPEBS-8	844	1256
10	1.42	36.1	DTTS18PCPEAS-10	879	1308	DTTS18PCPEBS-10	1011	1504
12	1.46	37.1	DTTS18PCPEAS-12	970	1444	DTTS18PCPEBS-12	1107	1647
14	1.53	38.8	DTTS18PCPEAS-14	1073	1596	DTTS18PCPEBS-14	1216	1810
16	1.60	40.6	DTTS18PCPEAS-16	1178	1752	DTTS18PCPEBS-16	1329	1977
17	1.68	42.6	DTTS18PCPEAS-17	1246	1855	DTTS18PCPEBS-17	1407	2092
19	1.68	42.6	DTTS18PCPEAS-19	1322	1967	DTTS18PCPEBS-19	1481	2204
20	1.82	46.1	DTTS18PCPEAS-20	1503	2237	DTTS18PCPEBS-20	1671	2486
24	1.99	50.6	DTTS18PCPEAS-24	1738	2586	DTTS18PCPEBS-24	1924	2864

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, 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	0.38	9.7	DTTS16PCPE-1	84	125	0.43	11.0	DTTS16PCPEB-1	147	219
2	0.71	17.9	DTTS16PCPE-2	198	295	0.76	19.3	DTTS16PCPEB-2	312	464
3	0.75	19.0	DTTS16PCPE-3	257	382	0.80	20.3	DTTS16PCPEB-3	378	562
4	0.82	20.9	DTTS16PCPE-4	320	476	0.87	22.2	DTTS16PCPEB-4	452	673
5	0.95	24.0	DTTS16PCPE-5	423	630	1.00	25.4	DTTS16PCPEB-5	575	856
6	1.03	26.2	DTTS16PCPE-6	491	731	1.08	27.5	DTTS16PCPEB-6	656	977
7	1.03	26.2	DTTS16PCPE-7	544	810	1.08	27.5	DTTS16PCPEB-7	709	1055
8	1.11	28.3	DTTS16PCPE-8	612	911	1.17	29.6	DTTS16PCPEB-8	790	1176
10	1.31	33.3	DTTS16PCPE-10	754	1122	1.37	34.7	DTTS16PCPEB-10	963	1432
12	1.36	34.4	DTTS16PCPE-12	867	1291	1.41	35.8	DTTS16PCPEB-12	1083	1612
14	1.43	36.3	DTTS16PCPE-14	986	1468	1.48	37.6	DTTS16PCPEB-14	1213	1806
16	1.51	38.4	DTTS16PCPE-16	1107	1647	1.56	39.7	DTTS16PCPEB-16	1346	2004
17	1.59	40.5	DTTS16PCPE-17	1175	1748	1.65	41.8	DTTS16PCPEB-17	1428	2125
19	1.59	40.5	DTTS16PCPE-19	1281	1906	1.65	41.8	DTTS16PCPEB-19	1533	2282
20	1.68	42.6	DTTS16PCPE-20	1349	2007	1.73	44.0	DTTS16PCPEB-20	1615	2403
24	1.94	49.3	DTTS16PCPE-24	1716	2554	1.99	50.6	DTTS16PCPEB-24	2023	3011

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.53	13.6	DTTS16PCPEAS-1	155	231	DTTS16PCPEBS-1	199	296
2	0.93	23.7	DTTS16PCPEAS-2	385	573	DTTS16PCPEBS-2	464	691
3	0.98	24.8	DTTS16PCPEAS-3	454	676	DTTS16PCPEBS-3	538	800
4	1.05	26.6	DTTS16PCPEAS-4	533	794	DTTS16PCPEBS-4	625	930
5	1.17	29.8	DTTS16PCPEAS-5	666	990	DTTS16PCPEBS-5	771	1147
6	1.26	31.9	DTTS16PCPEAS-6	753	1120	DTTS16PCPEBS-6	867	1290
7	1.26	31.9	DTTS16PCPEAS-7	806	1199	DTTS16PCPEBS-7	920	1369
8	1.34	34.1	DTTS16PCPEAS-8	893	1329	DTTS16PCPEBS-8	1016	1513
10	1.54	39.1	DTTS16PCPEAS-10	1080	1607	DTTS16PCPEBS-10	1224	1822
12	1.58	40.2	DTTS16PCPEAS-12	1203	1791	DTTS16PCPEBS-12	1353	2013
14	1.66	42.1	DTTS16PCPEAS-14	1339	1993	DTTS16PCPEBS-14	1496	2227
16	1.80	45.8	DTTS16PCPEAS-16	1589	2365	DTTS16PCPEBS-16	1756	2613
17	1.89	47.9	DTTS16PCPEAS-17	1682	2503	DTTS16PCPEBS-17	1857	2764
19	1.89	47.9	DTTS16PCPEAS-19	1788	2661	DTTS16PCPEBS-19	1963	2921
20	1.97	50.0	DTTS16PCPEAS-20	1881	2799	DTTS16PCPEBS-20	2065	3073
24	2.23	56.7	DTTS16PCPEAS-24	2325	3459	DTTS16PCPEBS-24	2537	3776

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/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	0.41	10.5	DTTS14PCPE-1	108	161	0.47	11.9	DTTS14PCPEB-1	177	264
2	0.77	19.6	DTTS14PCPE-2	254	378	0.82	20.9	DTTS14PCPEB-2	378	563
3	0.82	20.8	DTTS14PCPE-3	335	499	0.87	22.2	DTTS14PCPEB-3	467	696
4	0.95	24.0	DTTS14PCPE-4	461	686	1.00	25.4	DTTS14PCPEB-4	613	912
5	1.04	26.3	DTTS14PCPE-5	552	821	1.09	27.6	DTTS14PCPEB-5	717	1068
6	1.13	28.7	DTTS14PCPE-6	644	958	1.18	30.0	DTTS14PCPEB-6	824	1226
7	1.13	28.7	DTTS14PCPE-7	718	1069	1.18	30.0	DTTS14PCPEB-7	899	1338
8	1.23	31.1	DTTS14PCPE-8	810	1206	1.28	32.5	DTTS14PCPEB-8	1005	1496
10	1.45	36.7	DTTS14PCPE-10	1000	1487	1.50	38.0	DTTS14PCPEB-10	1229	1829
12	1.49	38.0	DTTS14PCPE-12	1158	1723	1.55	39.3	DTTS14PCPEB-12	1395	2076
14	1.58	40.0	DTTS14PCPE-14	1322	1968	1.63	41.4	DTTS14PCPEB-14	1572	2340
16	1.67	42.3	DTTS14PCPE-16	1488	2214	1.72	43.6	DTTS14PCPEB-16	1752	2607
17	1.83	46.4	DTTS14PCPE-17	1693	2519	1.88	47.7	DTTS14PCPEB-17	1982	2949
19	1.83	46.4	DTTS14PCPE-19	1842	2742	1.88	47.7	DTTS14PCPEB-19	2131	3172
20	1.92	48.8	DTTS14PCPE-20	1940	2887	1.97	50.1	DTTS14PCPEB-20	2244	3339
24	2.14	54.4	DTTS14PCPE-24	2293	3412	2.19	55.7	DTTS14PCPEB-24	2631	3915

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.60	15.2	DTTS14PCPEAS-1	202	301	DTTS14PCPEBS-1	250	372
2	1.00	25.4	DTTS14PCPEAS-2	456	679	DTTS14PCPEBS-2	542	807
3	1.05	26.6	DTTS14PCPEAS-3	549	817	DTTS14PCPEBS-3	640	953
4	1.17	29.8	DTTS14PCPEAS-4	703	1046	DTTS14PCPEBS-4	808	1203
5	1.26	32.1	DTTS14PCPEAS-5	814	1212	DTTS14PCPEBS-5	929	1383
6	1.36	34.5	DTTS14PCPEAS-6	928	1381	DTTS14PCPEBS-6	1053	1567
7	1.36	34.5	DTTS14PCPEAS-7	1003	1492	DTTS14PCPEBS-7	1128	1678
8	1.45	36.9	DTTS14PCPEAS-8	1116	1661	DTTS14PCPEBS-8	1252	1862
10	1.67	42.5	DTTS14PCPEAS-10	1356	2018	DTTS14PCPEBS-10	1515	2255
12	1.72	43.7	DTTS14PCPEAS-12	1525	2270	DTTS14PCPEBS-12	1690	2515
14	1.87	47.4	DTTS14PCPEAS-14	1824	2715	DTTS14PCPEBS-14	1998	2973
16	1.96	49.7	DTTS14PCPEAS-16	2016	3000	DTTS14PCPEBS-16	2199	3273
17	2.12	53.8	DTTS14PCPEAS-17	2267	3374	DTTS14PCPEBS-17	2468	3672
19	2.12	53.8	DTTS14PCPEAS-19	2417	3597	DTTS14PCPEBS-19	2617	3895
20	2.21	56.2	DTTS14PCPEAS-20	2542	3784	DTTS14PCPEBS-20	2753	4097
24	2.43	61.8	DTTS14PCPEAS-24	2960	4404	DTTS14PCPEBS-24	3194	4753

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.

**Capacities:** Refer to beginning of section.

Technical Data *continued*

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

Conductor	Unarmored					309Armored396				
	Nominal OD		Part Number	Net Weight		Nominal OD		Bronze		Net Weight
	in	mm		lb/kft	kg/km	in	mm	Part Number	lb/kft	
1	0.46	11.6	DTTS12PCPE-1	145	216	0.51	13.0	DTTS12PCPEB-1	221	329
2	0.86	21.8	DTTS12PCPE-2	338	503	0.91	23.1	DTTS12PCPEB-2	476	708
3	0.96	24.3	DTTS12PCPE-3	494	735	1.01	25.6	DTTS12PCPEB-3	647	963
4	1.05	26.6	DTTS12PCPE-4	620	922	1.10	28.0	DTTS12PCPEB-4	787	1171
5	1.15	29.2	DTTS12PCPE-5	747	1111	1.20	30.6	DTTS12PCPEB-5	930	1385
6	1.26	32.0	DTTS12PCPE-6	875	1302	1.31	33.3	DTTS12PCPEB-6	1075	1600
7	1.26	32.0	DTTS12PCPE-7	983	1463	1.31	33.3	DTTS12PCPEB-7	1184	1762
8	1.37	34.7	DTTS12PCPE-8	1111	1654	1.42	36.0	DTTS12PCPEB-8	1328	1977
10	1.62	41.1	DTTS12PCPE-10	134	2044	1.67	42.4	DTTS12PCPEB-10	1630	2426
12	1.67	42.5	DTTS12PCPE-12	1601	2383	1.72	43.8	DTTS12PCPEB-12	1866	2777
14	1.83	46.4	DTTS12PCPE-14	1948	2899	1.88	47.8	DTTS12PCPEB-14	2238	3330
16	1.93	49.1	DTTS12PCPE-16	2191	3260	1.98	50.4	DTTS12PCPEB-16	2496	3714
17	2.04	51.8	DTTS12PCPE-17	2325	3461	2.09	53.1	DTTS12PCPEB-17	2647	3940
19	2.04	51.8	DTTS12PCPE-19	2543	3784	2.09	53.1	DTTS12PCPEB-19	2865	4263
20	2.15	54.5	DTTS12PCPE-20	2678	3985	2.20	55.8	DTTS12PCPEB-20	3016	4489
24	2.40	60.9	DTTS12PCPE-24	3173	4722	2.45	62.2	DTTS12PCPEB-24	3551	5284

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	16.3	DTTS12PCPEAS-1	247	368	DTTS12PCPEBS-1	300	446
2	1.08	27.5	DTTS12PCPEAS-2	560	833	DTTS12PCPEBS-2	655	975
3	1.18	30.0	DTTS12PCPEAS-3	739	1099	DTTS12PCPEBS-3	845	1257
4	1.28	32.4	DTTS12PCPEAS-4	885	1317	DTTS12PCPEBS-4	1001	1490
5	1.38	35.0	DTTS12PCPEAS-5	1036	1541	DTTS12PCPEBS-5	1163	1731
6	1.49	37.7	DTTS12PCPEAS-6	1188	1768	DTTS12PCPEBS-6	1327	1975
7	1.49	37.7	DTTS12PCPEAS-7	1297	1930	DTTS12PCPEBS-7	1436	2137
8	1.59	40.4	DTTS12PCPEAS-8	1449	2157	DTTS12PCPEBS-8	1600	2381
10	1.91	48.4	DTTS12PCPEAS-10	1887	2809	DTTS12PCPEBS-10	2065	3073
12	1.96	49.8	DTTS12PCPEAS-12	2131	3171	DTTS12PCPEBS-12	2314	3444
14	2.12	53.8	DTTS12PCPEAS-14	2524	3756	DTTS12PCPEBS-14	2724	4054
16	2.22	56.5	DTTS12PCPEAS-16	2796	4161	DTTS12PCPEBS-16	3008	4476
17	2.33	59.2	DTTS12PCPEAS-17	2962	4408	DTTS12PCPEBS-17	3185	4740
19	2.33	59.2	DTTS12PCPEAS-19	3180	4732	DTTS12PCPEBS-19	3403	5064
20	2.44	61.9	DTTS12PCPEAS-20	3346	4979	DTTS12PCPEBS-20	3580	5328
24	2.69	68.3	DTTS12PCPEAS-24	3914	5825	DTTS12PCPEBS-24	4176	6215

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/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	13.3	DTTS10PCPE-1	205	306	0.58	14.7	DTTS10PCPEB-1	291	434
2	1.04	26.3	DTTS10PCPE-2	518	770	1.09	27.6	DTTS10PCPEB-2	683	1017
3	1.10	28.0	DTTS10PCPE-3	693	1032	1.15	29.3	DTTS10PCPEB-3	869	1293
4	1.21	30.8	DTTS10PCPE-4	877	1305	1.26	32.1	DTTS10PCPEB-4	1070	1592
5	1.33	33.9	DTTS10PCPE-5	1062	1581	1.39	35.2	DTTS10PCPEB-5	1274	1897
6	1.46	37.1	DTTS10PCPE-6	1249	1859	1.51	38.5	DTTS10PCPEB-6	1481	2204
7	1.46	37.1	DTTS10PCPE-7	1413	2103	1.51	38.5	DTTS10PCPEB-7	1645	2448
8	1.59	40.4	DTTS10PCPE-8	1600	2381	1.64	41.7	DTTS10PCPEB-8	1852	2756
10	1.95	49.6	DTTS10PCPE-10	2102	3128	2.00	50.9	DTTS10PCPEB-10	2410	3587
12	2.02	51.2	DTTS10PCPE-12	2445	3639	2.07	52.6	DTTS10PCPEB-12	2764	4113
14	2.13	54.0	DTTS10PCPE-14	2800	4166	2.18	55.3	DTTS10PCPEB-14	3135	4666
16	2.25	57.1	DTTS10PCPE-16	3157	4698	2.30	58.4	DTTS10PCPEB-16	3511	5226
17	2.38	60.4	DTTS10PCPE-17	3351	4988	2.43	61.7	DTTS10PCPEB-17	3726	5545
19	2.38	60.4	DTTS10PCPE-19	3679	5475	2.43	61.7	DTTS10PCPEB-19	4054	6033
20	2.50	63.6	DTTS10PCPE-20	3874	5765	2.56	64.9	DTTS10PCPEB-20	4269	6352
24	2.80	71.2	DTTS10PCPE-24	4601	6847	2.85	72.5	DTTS10PCPEB-24	5042	7504

Conductor	Armored & Sheathed							
	Nominal OD		Aluminum			Bronze		
	in	mm	Part Number	lb/kft	kg/km	Part Number	lb/kft	kg/km
1	0.71	18.0	DTTS10PCPEAS-1	320	476	DTTS10PCPEBS-1	380	565
2	1.26	32.1	DTTS10PCPEAS-2	780	1161	DTTS10PCPEBS-2	895	1332
3	1.33	33.7	DTTS10PCPEAS-3	971	1445	DTTS10PCPEBS-3	1093	1626
4	1.44	36.5	DTTS10PCPEAS-4	1180	1755	DTTS10PCPEBS-4	1313	1955
5	1.56	39.6	DTTS10PCPEAS-5	1393	2073	DTTS10PCPEBS-5	1540	2292
6	1.69	42.9	DTTS10PCPEAS-6	1609	2395	DTTS10PCPEBS-6	1770	2634
7	1.69	42.9	DTTS10PCPEAS-7	1773	2638	DTTS10PCPEBS-7	1934	2878
8	1.88	47.8	DTTS10PCPEAS-8	2105	3133	DTTS10PCPEBS-8	2280	3393
10	2.24	57.0	DTTS10PCPEAS-10	2713	4037	DTTS10PCPEBS-10	2927	4356
12	2.31	58.6	DTTS10PCPEAS-12	3076	4577	DTTS10PCPEBS-12	3296	4906
14	2.42	61.4	DTTS10PCPEAS-14	3462	5152	DTTS10PCPEBS-14	3695	5499
16	2.54	64.5	DTTS10PCPEAS-16	3855	5736	DTTS10PCPEBS-16	4101	6102
17	2.67	67.8	DTTS10PCPEAS-17	4087	6082	DTTS10PCPEBS-17	4347	6468
19	2.67	67.8	DTTS10PCPEAS-19	4414	6569	DTTS10PCPEBS-19	4674	6956
20	2.80	71.0	DTTS10PCPEAS-20	4647	6915	DTTS10PCPEBS-20	4920	7322
24	3.16	80.3	DTTS10PCPEAS-24	5664	8429	DTTS10PCPEBS-24	5970	8884

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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