



CABLE STRUCTURE

Conductor	Soft annealed flexible stranded tinned copper wire acc. to IEEE 1580 Table 11
Separator	A suitable separator tape may be applied to the conductor (optional for manufacturer)
Insulation	Cross-linked polyolefin compound, in accordance with Type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 No.245.
Jacket	Thermoset chlorinated polyethylene, CPE compound, in accordance with IEEE 1580 and UL 1309/CSA C22.2 No.245
Aarmor	Basket weave bronze or tinned copper wire armour in accordance with IEEE 1580 and UL 1309/CSA C22.2 No.245

STANDARDS & MAIN CHARACTERISTICS

Reference Standards	IEEE 1580, UL 1309, CSA C22.2 No.245, IEEE 45
Insulation Material	IEEE 1580, UL 1309, CSA C22.2 No.245
Sheath Material	IEEE 1580, UL 1309, CSA C22.2 No.245
Conductor Material	ASTM B 33
Conductor Resistance	IEEE 1580 Table 11
Flame Propagation	IEEE 1202, IEC 60332-3
Cold Bend (-40)	CSA C22.2
Cold Impact (-35)	CSA C22.2
Temperature Rating IEEE 1580	100°C (Single Core 125°C)
Temperature Rating UL 1309	110°C (Single Core 125°C)

OPERATING CHARACTERISTICS

Rated Voltage	600/1000 V
Test Voltage	IEEE 1580 Table 19
Min. Bending Radius	6 x D
Current Carrying Capacity	IEEE 45.8

VISUAL AND MARKING

Core Colours IEEE 1580	4 Core Black-White-Red-Green
1 Core Black	5 Core Black-White-Red-Green-Orange
2 Core Black-White	
3 Core Black-White-Red	

APPLICATION

These cables are intended for use as power cables aboard ship and on off-shore oil rigs. The cables are constructed in accordance with the recommended practice for marine cable for use on fixed or floating facilities, IEEE 1580. Excellent resistance to oil, abrasion petrochem fluids, moisture salty water and sunlight.



FLAME RETARDANT



RATED VOLTAGE



TEST VOLTAGE



MIN. BENDING RADIUS

Contents (drawings and specifications) in this document belonging to Üntel Kablolari Sanayi ve Ticaret A.Ş. "ÜNTEL" are for informational purposes only and do not have any legal binding. ÜNTEL does not guarantee the accuracy of the information provided and reserves the right to revise the information without any notice. Images related to the cable drawing are not to scale and do not represent detailed views. In case of any dispute, the information in ÜNTEL's communication records will prevail. This document should not be copied, modified, or shared with third parties without the permission of ÜNTEL. If you need further assistance or have any other requests, feel free to ask.

CAN*	Cable Type	Cross-Section	Outer Sheath Diameter			Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity 100°C (**) (A)	Current Carrying Capacity 110°C (**) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Nom. (mm)	Max. (mm)					
6417.1	SPT-2	1x18 AWG	6,4	7,1	8,0	100	48	16	17	20,384
6417.2	SPT-3	1x16 AWG	6,6	7,3	8,5	106	51	23	25	15,778
6417.3	SPT-4	1x14 AWG	7,0	7,6	8,5	120	51	37	40	9,996
6417.4	SPT-7	1x12 AWG	7,4	8,1	9,0	140	54	45	48	6,292
6417.5	SPT-10	1x10 AWG	8,2	8,9	10,0	178	60	58	62	3,538
6417.6	SPT-17	1x8 AWG	9,6	10,3	11,5	233	69	72	77	2,46
6417.7	SPT-26	1x6 AWG	10,5	11,4	12,5	299	75	96	103	1,539
6417.8	SPT-33	1x5 AWG	11,5	12,4	13,5	376	81	109	117	1,137
6417.9	SPT-42	1x4 AWG	12,0	13,2	14,5	425	87	128	137	0,902
6417.10	SPT-53	1x3 AWG	13,0	14,0	15,5	496	93	146	156	0,715
6417.11	SPT-66	1x2 AWG	13,5	14,7	16,0	565	96	169	181	0,568
6417.12	SPT-84	1x1 AWG	16,5	17,8	19,5	794	117	194	208	0,412
6417.13	SPT-106	1x1/0 AWG	17,5	18,5	20,0	874	120	227	243	0,363
6417.14	SPT-133	1x2/0 AWG	18,5	19,9	21,5	1.057	129	262	281	0,284
6417.15	SPT-168	1x3/0 AWG	20,5	21,8	23,5	1.316	141	300	321	0,206
6417.16	SPT-212	1x4/0 AWG	22,5	24,2	26,0	1.583	156	351	376	0,171
6417.17	SPT-262	1x262 kcmil	24,5	26,2	28,0	1.873	168	407	436	0,148
6417.18	SPT-313	1x313 kcmil	26,0	27,5	29,5	2.121	177	455	487	0,123
6417.19	SPT-373	1x373 kcmil	27,5	29,2	31,5	2.443	189	516	553	0,103
6417.20	SPT-444	1x444 kcmil	29,0	31,0	33,0	2.844	198	588	630	0,086
6417.21	SPT-535	1x535 kcmil	32,0	33,8	36,0	3.381	216	630	676	0,072
6417.22	SPT-597	1x597 kcmil	33,0	35,0	37,5	3.699	225	670	678	0,07
6417.23	SPT-646	1x646 kcmil	34,0	36,2	38,5	4.012	231	731	783	0,06
6417.24	SPT-777	1x777 kcmil	36,5	38,6	41,0	4.693	246	822	881	0,05
6417.25	SPT-1111	1x1111 kcmil	44,0	46,6	49,5	6.712	297	1.025	1.098	0,035
6417.26	DPT-2	2x18 AWG	9,2	10,0	11,5	180	69	14	15	20,384
6417.27	DPT-3	2x16 AWG	9,6	10,4	11,5	194	69	19	20	15,778
6417.28	DPT-4	2x14 AWG	10,0	11,1	12,5	227	75	31	33	9,996
6417.29	DPT-7	2x12 AWG	11,0	12,1	13,5	274	81	40	43	6,292
6417.30	DPT-10	2x10 AWG	12,5	13,6	15,0	363	90	49	52	3,538
6417.31	DPT-17	2x8 AWG	16,0	17,4	19,0	540	114	64	69	2,46
6417.32	DPT-26	2x6 AWG	18,0	19,5	21,0	715	126	85	91	1,539
6417.33	DPT-33	2x5 AWG	20,0	21,5	23,5	900	141	101	108	1,137
6417.34	DPT-42	2x4 AWG	22,5	24,2	26,0	1.087	156	110	118	0,902

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath and tinned copper wire braiding

CAN*	Cable Type	Cross-Section	Outer Sheath Diameter			Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity 100°C (**) (A)	Current Carrying Capacity 110°C (**) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Nom. (mm)	Max. (mm)					
6417.35	DPT-53	2x3 AWG	24,0	25,9	28,0	1.268	168	132	141	0,715
6417.36	DPT-66	2x2 AWG	25,5	27,3	29,5	1.449	177	149	160	0,568
6417.37	DPT-84	2x1 AWG	30,0	31,7	34,0	1.962	204	174	186	0,412
6417.38	DPT-106	2x1/0 AWG	31,0	33,2	35,5	2.165	213	199	213	0,363
6417.39	DPT-133	2x2/0 AWG	34,0	35,9	38,5	2.615	231	242	259	0,284
6417.40	DPT-168	2x3/0 AWG	37,5	39,6	42,5	3.268	255	265	284	0,206
6417.41	DPT-212	2x4/0 AWG	40,0	42,3	45,0	3.792	270	307	329	0,171
6417.42	DPT-262	2x262 kcmil	45,5	47,8	51,0	4.683	306	358	383	0,148
6417.43	DPT-313	2x313 kcmil	48,0	50,5	54,0	5.305	324	391	419	0,123
6417.44	DPT-373	2x373 kcmil	51,0	53,7	57,0	6.118	342	442	473	0,103
6417.45	DPT-444	2x444 kcmil	54,5	57,4	61,0	7.124	366	504	540	0,086
6417.46	DPT-535	2x535 kcmil	60,0	62,9	67,0	8.511	402	538	576	0,072
6417.47	DPT-597	2x597 kcmil	62,5	65,4	69,5	9.320	417	580	585	0,07
6417.48	DPT-646	2x646 kcmil	64,5	67,8	72,0	10.091	432	632	677	0,06
6417.49	DPT-777	2x777 kcmil	71,0	74,4	79,0	12.040	474	684	733	0,05
6417.50	DPT-1111	2x1111 kcmil	83,0	87,3	92,5	16.847	555	854	855	0,035
6417.51	TPT-2	3x18 AWG	9,5	10,5	12,0	199	72	12	13	20,384
6417.52	TPT-3	3x16 AWG	10,0	10,9	12,0	216	72	16	17	15,778
6417.53	TPT-4	3x14 AWG	10,5	11,7	13,0	257	78	25	27	9,996
6417.54	TPT-7	3x12 AWG	11,5	12,7	14,0	318	84	31	33	6,292
6417.55	TPT-10	3x10 AWG	13,0	14,3	16,0	429	96	41	44	3,538
6417.56	TPT-17	3x8 AWG	17,0	18,4	20,0	640	120	52	56	2,46
6417.57	TPT-26	3x6 AWG	19,0	20,6	22,5	860	135	70	75	1,539
6417.58	TPT-33	3x5 AWG	21,5	22,8	24,5	1.111	147	82	88	1,137
6417.59	TPT-42	3x4 AWG	24,0	25,6	27,5	1.327	165	92	99	0,902
6417.60	TPT-53	3x3 AWG	25,5	27,4	29,5	1.569	177	108	116	0,715
6417.61	TPT-66	3x2 AWG	27,0	28,9	31,0	1.796	186	122	131	0,568
6417.62	TPT-84	3x1 AWG	31,5	33,7	36,0	2.457	216	143	153	0,412
6417.63	TPT-106	3x1/0 AWG	33,0	35,2	38,0	2.723	228	164	176	0,363
6417.64	TPT-133	3x2/0 AWG	36,0	38,2	41,0	3.316	246	188	201	0,284
6417.65	TPT-168	3x3/0 AWG	40,0	42,2	45,0	4.187	270	218	234	0,206
6417.66	TPT-212	3x4/0 AWG	44,0	46,6	49,5	5.024	297	252	270	0,171
6417.67	TPT-262	3x262 kcmil	48,5	51,0	54,0	6.007	324	294	315	0,148
6417.68	TPT-313	3x313 kcmil	51,0	53,8	57,5	6.838	345	321	344	0,123

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath and tinned copper wire braiding

CAN*	Cable Type	Cross-Section	Outer Sheath Diameter			Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity 100°C (**) (A)	Current Carrying Capacity 110°C (**) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Nom. (mm)	Max. (mm)					
6417.69	TPT-373	3x373 kcmil	54,5	57,3	61,0	7.923	366	361	387	0,103
6417.70	TPT-444	3x444 kcmil	58,5	61,3	65,0	9.248	390	411	440	0,086
6417.71	TPT-535	3x535 kcmil	64,0	67,2	71,5	11.091	429	443	475	0,072
6417.72	TPT-597	3x597 kcmil	66,5	69,9	74,0	12.145	444	470	478	0,07
6417.73	TPT-646	3x646 kcmil	70,5	74,2	78,5	13.460	471	516	553	0,06
6417.74	TPT-777	3x777 kcmil	75,5	79,4	84,0	15.761	504	562	602	0,05
6417.76	FPT-2	4x18 AWG	10,5	11,3	12,5	229	75	12	13	20,384
6417.77	FPT-3	4x16 AWG	10,5	11,7	13,0	250	78	16	17	15,778
6417.78	FPT-4	4x14 AWG	11,5	12,6	14,0	301	84	25	27	9,996
6417.79	FPT-7	4x12 AWG	12,5	13,7	15,0	374	90	31	33	6,292
6417.80	FPT-10	4x10 AWG	15,0	16,4	18,0	550	108	41	44	3,538
6417.81	FPT-17	4x8 AWG	18,5	20,0	22,0	774	132	52	56	2,46
6417.82	FPT-26	4x6 AWG	21,0	22,5	24,5	1.047	147	70	75	1,539
6417.83	FPT-33	4x5 AWG	24,5	26,0	28,0	1.427	168	82	88	1,137
6417.84	FPT-42	4x4 AWG	26,0	28,0	30,0	1.630	180	92	99	0,902
6417.85	FPT-53	4x3 AWG	28,0	29,9	32,0	1.929	192	108	116	0,715
6417.86	FPT-66	4x2 AWG	30,0	31,7	34,0	2.226	204	122	131	0,568
6417.87	FPT-84	4x1 AWG	35,0	37,0	39,5	3.066	237	143	153	0,412
6417.88	FPT-106	4x1/0 AWG	36,5	38,8	41,5	3.409	249	164	176	0,363
6417.89	FPT-133	4x2/0 AWG	40,0	42,1	45,0	4.185	270	188	201	0,284
6417.90	FPT-168	4x3/0 AWG	45,5	48,1	51,5	5.421	309	218	234	0,206
6417.91	FPT-212	4x4/0 AWG	48,5	51,3	54,5	6.337	327	252	270	0,171
6417.92	FPT-262	4x262 kcmil	53,5	56,2	59,5	7.596	357	294	315	0,148
6417.93	FPT-313	4x313 kcmil	56,5	59,4	63,0	8.654	378	321	344	0,123
6417.94	FPT-373	4x373 kcmil	60,0	63,3	67,0	10.047	402	361	387	0,103
6417.95	FPT-444	4x444 kcmil	64,5	67,7	72,0	11.780	432	411	440	0,086
6417.96	FPT-535	4x535 kcmil	72,5	76,1	80,5	14.396	483	443	475	0,072
6417.97	FPT-597	4x597 kcmil	75,5	79,2	84,0	15.785	504	470	478	0,07
6417.98	FPT-646	4x646 kcmil	78,0	82,0	87,0	17.158	522	516	553	0,06
6.417.101	QPT-2	5x18 AWG	11,0	12,1	13,5	264	81	10	10	20,384
6.417.102	QPT-3	5x16 AWG	11,5	12,6	14,0	289	84	13	14	15,778
6.417.103	QPT-4	5x14 AWG	12,5	13,6	15,0	349	90	20	22	9,996
6.417.104	QPT-7	5x12 AWG	13,5	14,8	16,5	440	99	25	26	6,292
6.417.105	QPT-10	5x10 AWG	16,5	17,8	19,5	648	117	33	35	3,538

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath and tinned copper wire braiding

CAN*	Cable Type	Cross-Section	Outer Sheath Diameter			Approx. Cable Weight (kg/km)	Min. Bending Radius (mm)	Current Carrying Capacity 100°C (**) (A)	Current Carrying Capacity 110°C (**) (A)	Max. Electrical Resistance at 20°C (ohm/km)
			Min. (mm)	Nom. (mm)	Max. (mm)					
6.417.106	QPT-17	5x8 AWG	20,5	21,8	23,5	916	141	42	45	2,46
6.417.107	QPT-26	5x6 AWG	24,0	25,6	27,5	1.315	165	56	60	1,539
6.417.108	QPT-33	5x5 AWG	26,5	28,4	30,5	1.720	183	66	70	1,137
6.417.109	QPT-42	5x4 AWG	28,5	30,6	33,0	1.970	198	74	79	0,902
6.417.110	QPT-53	5x3 AWG	31,0	32,8	35,0	2.347	210	86	93	0,715
6.417.111	QPT-66	5x2 AWG	32,5	34,7	37,0	2.703	222	98	105	0,568
6.417.112	QPT-84	5x1 AWG	38,5	40,7	43,5	3.740	261	114	122	0,412
6.417.113	QPT-106	5x1/0 AWG	40,5	42,6	45,5	4.175	273	131	141	0,363
6.417.114	QPT-133	5x2/0 AWG	45,5	47,9	51,0	5.269	306	150	161	0,284
6.417.115	QPT-168	5x3/0 AWG	50,0	52,9	56,5	6.649	339	174	187	0,206
6.417.116	QPT-212	5x4/0 AWG	53,5	56,5	60,0	7.809	360	202	216	0,171
6.417.117	QPT-262	5x262 kcmil	59,0	61,9	66,0	9.348	396	235	252	0,148
6.417.118	QPT-313	5x313 kcmil	62,5	65,5	69,5	10.669	417	257	275	0,123
6.417.119	QPT-373	5x373 kcmil	66,5	69,9	74,0	12.407	444	289	310	0,103
6.417.120	QPT-444	5x444 kcmil	73,0	76,6	81,0	14.830	486	329	352	0,086
6.417.121	QPT-535	5x535 kcmil	80,0	84,1	89,0	17.782	534	354	380	0,072
6.417.122	QPT-597	5x597 kcmil	83,5	87,5	92,5	19.511	555	376	382	0,07

** Ambient air temperature at 45 °C

* CAN : Cable Article Number

* This can numbers for Black outer sheath and tinned copper wire braiding

