

Single Conductor Power Cables

2kV Armoured & Sheathed



DESIGN

Conductor	Soft annealed stranded bare or tinned copper per IEEE1580
Separation Tape	Polyester tape if required
Insulation/Jacket	Type P flame retardant cross-linked polyolefin compound, X110 meeting the requirements for IEEE 1580 Type P and UL1309
Armor	Basket weave bronze wire armour per IEEE1580 and UL1309/CSA C22.2 No.245. Tinned copper wire available by request
Sheath	CPE, Flame retardant, oil abrasion, chemical and sunlight resistant thermosetting compound as required IEEE1580
Outer Sheath Color	Black
Reference Standard	IEEE 1580, UL 1309, CSA C22.2 No.245
Temperature Rating	Untel 125°C / UL CSA 110°C / IEEE 100°C
Flame Retardant	IEEE 1202 & IEC 60332-3 cat. A
Cold Bend/Impact	-40°C / -35°C (CSA 22.2 No.03)

These cables are intended for use as control and 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.



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Physical Characteristics

Size AWG	Unarmoured Diameter (inches)	Diameter Under Armour (inches)	Weight (lbs/Mft)	110°C A	100°C A
18	0,324	0,143	16	17	16
16	0,334	0,153	18	24	23
14	0,349	0,168	25	39	37
12	0,368	0,187	32	49	45
10	0,388	0,207	51	61	58
8	0,436	0,255	71	77	72
6	0,476	0,295	108	100	96
4	0,558	0,377	173	134	128
2	0,624	0,443	242	178	169
1	0,665	0,484	335	205	194
1/0	0,729	0,548	420	236	227
2/0	0,796	0,615	494	274	262
3/0	0,886	0,663	627	317	300
4/0	1,038	0,810	820	369	351
262	1,111	0,888	945	431	407
313	1,177	0,954	1113	482	455
373	1,241	1,018	1419	540	516
444	1,317	1,094	1578	622	588
535	1,435	1,212	1976	660	630
646	1,523	1,300	2348	765	731
777	1,618	1,395	2795	861	822
1111	1,954	1,668	3982	1074	1025