Shielded Pairs Instrumantation Cables

0,6/1kV Unarmoured Individually Shielded Pairs

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
Pairs	Each pairs is twisted with a tinned drain wire and polyester-backed aluminum foil tape to %100 coverage
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 rings. 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	Number of Pairs	Diameter (inches)	Weight (lbs/Mft)	Ampacity 100°C	Ampacity 110°C
18	1	0,336	63	14	15
18	2	0,551	131	10	11
18	3	0,581	163	10	11
18	4	0,630	195	9	10
18	5	0,685	243	6	7
18	7	0,742	340	6	7
18	8	0,800	388	6	7
18	10	0,976	495	6	7
18	12	1,011	581	6	7
18	16	1,121	748	5	6
18	18	1,181	824	5	6
18	24	1,382	1069	4	5
16	1	0,356	77	19	20
16	2	0,565	160	13	14
16	3	0,617	200	13	14
16	4	0,671	239	11	12
16	5	0,730	297	8	9
16	7	0,792	416	8	9
16	8	0,896	475	8	9
16	10	1,047	606	8	9
16	12	1,081	711	7	8
16	16	1,207	948	7	8
16	18	1,265	1100	7	8
16	20	1,327	1215	7	8
16	24	1,482	1510	6	7
14	1	0,386	97	31	33
14	2	0,621	202	20	21
14	3	0,658	251	20	21
14	4	0,721	301	18	19
14	5	0,791	374	13	14
14	7	0,905	524	13	14
14	8	0,979	498	13	14
14	10	1,148	747	13	14
14	12	1,186	896	12	13