

Shielded Pairs Instrumentation Cables

0,6/1kV Armoured & Sheathed 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
Pair color code	Black-White
Jacket	CPE, Flame retardant, oil abrasion, chemical resistant thermosetting compound as required IEEE1580
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	Number of Pairs	Diameter (inches)	Weight (lbs/Mft)	Ampacity 100°C	Ampacity 110°C
18	1	0,486	176	14	15
18	2	0,732	335	10	11
18	3	0,762	343	10	11
18	4	0,801	410	9	10
18	5	0,900	511	6	7
18	7	0,957	575	6	7
18	8	1,015	752	6	7
18	10	1,199	874	6	7
18	12	1,234	982	6	7
18	16	1,344	1182	5	6
18	18	1,404	1300	5	6
18	24	1,605	1720	4	5
16	1	0,507	203	19	20
16	2	0,751	377	13	14
16	3	0,785	410	13	14
16	4	0,886	569	11	12
16	5	0,945	609	8	9
16	7	1,007	703	8	9
16	8	1,119	803	8	9
16	10	1,270	1098	8	9
16	12	1,304	1138	7	8
16	16	1,422	1517	7	8
16	18	1,488	1570	7	8
16	20	1,552	1894	7	8
16	24	1,767	2065	6	7
14	1	0,537	199	31	33
14	2	0,802	481	20	21
14	3	0,881	515	20	21
14	4	0,944	633	18	19
14	5	1,013	787	13	14
14	7	1,128	886	13	14
14	8	1,202	1011	13	14
14	10	1,371	1196	13	14
14	12	1,409	1434	12	13