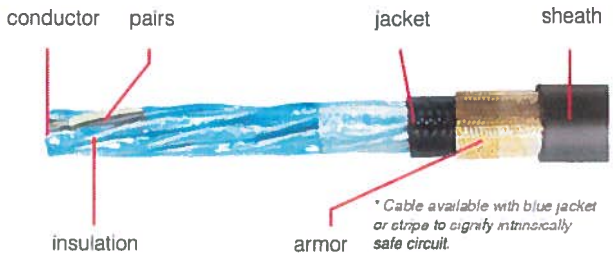
SHIELDED PAIRS INSTRUMENTATION CABLE

0.6/1kV Armored & Sheathed 110°C
Gexol® Insulation
Individually Shielded Pairs
Made in the USA



Catalog Number	Size AWG	Number of Pairs	Nominal Diameter (inches)	Weight (lbs/Mft.)
HW281 01801	18	1	0.486	176
HW281 01802	18	2	0.732	335
HW281 01803	18	3	0.762	343
HW281 01804	18	4	0.801	410
HW281 01805	18	5	0.900	511
HW281 01807	18	7	0.957	575
HW281 01808	18	8	1.015	752
HW281 01810	18	10	1.199	874
HW281 01812	18	12	1.234	982
HW281 01816	18	16	1.344	1182
HW281 01818	18	18	1.404	1300
HW281 01824	18	24	1.605	1720
HW281 01601	16	1	0.507	203
HW281 01602	16	2	0.751	377
HW281 01603	16	3	0.785	410
HW281 01604	16	4	0.886	569
HW281 01605	16	5	0.945	609
HW281 01607	16	7	1.007	703
HW281 01608	16	8	1.119	803
HW281 01610	16	10	1.270	1098
HW281 01612	16	12	1.304	1138
HW281 01616	16	16	1.422	1517
HW281 01618	16	18	1.488	1570
HW281 01620	16	20	1.552	1894
HW281 01624	16	24	1.767	2065
HW281 01401	14	1	0.537	199
HW281 01402	14	2	0.802	481
HW281 01403	14	3	0.881	515
HW281 01404	14	4	0.944	633
HW281 01405	14	5	1.013	787
HW281 01407	14	7	1.128	886
HW281 01408	14	8	1.202	1011
HW281 01410	14	10	1.371	1196
HW281 01412	14	12	1.409	1434

** Cable diameters shown as nominal are subject to a ±5% manufacturing tolerance.*

See page 5 for Stranding Profile and Hawke Gland Info

Values:		
#18 Pairs Capacitance (nF/1000 feet) = 28 Inductance (mH/1000) = 0.22 Resistance (Ohms/1000 feet = 7.21 (@ 20°)	**#16 Pairs** Capacitance (nF/1000 feet) = 32 Inductance (mH/1000) = 0.20 Resistance (Ohms/1000 feet = 4.52 (@ 20°)	**#14 Pairs** Capacitance (nF/1000 feet) = 37 Inductance (mH/1000) = 0.19 Resistance (Ohms/1000 feet = 2.85 (@ 20°)

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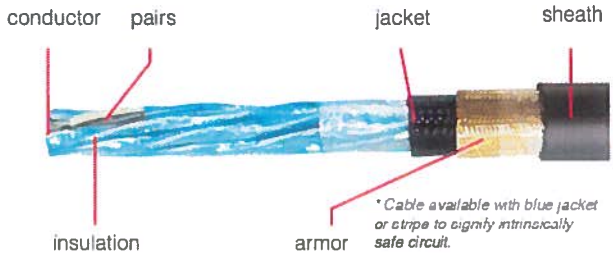

APPLICATION:
Designed and constructed for the demanding environments of offshore drilling and petroleum facilities located throughout the world.

CONDUCTOR:
Soft annealed flexible stranded tinned copper per IEEE 1580 Table 11.

PAIRS:
Each pair is twisted with a bare tinned drain wire. Each pair is shielded with polyester-backed aluminum foil tape to afford 100% coverage. Pair to pair isolation plus overall shield is provided.
Pair color code: Black-White.

INSULATION:
Flame Retardant Cross-linked Polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 No. 245.

JACKET:
Black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA C22.2 No. 245 and IEEE 1580.

ARMOR:
Basket weave wire armor per IEEE 1580 and UL 1309/CSA C22.2 No. 245. Bronze standard. Tinned copper available by request.

SHEATH:
A black, arctic grade, flame retardant, oil abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA C22.2 No. 245 and IEEE 1580.

RATINGS & APPROVALS:
- American Bureau of Shipping (ABS)
- Transport Canada
- Det Norske Veritas (DNV)
- Lloyd's Register of Shipping (LRS)
- NVE 95/1696, FAL
- UL listed as Marine Shipboard Cable
- United States Coast Guard
- CSA listed as Marine Shipboard Cable

FEATURES:
- High strand count conductors make this product extremely flexible, easier to install and more resistant to vibration than Type MC, IEC spec or commercial cables.
- Lower dielectric constant and higher insulation resistance reduces electrical losses.
- Excellent resistance to moisture produces stable electrical properties throughout the life of the cable.
- In fire conditions, non chlorinated flame retardant system produces less toxic and less corrosive gasses.
- Dual certified IEEE 1580 Type P and UL 1309/CSA C22.2 No. 245 Type X110.
- Highest ampacity ratings: ABS 100°C, DNV 95°C, LRS 95°C, Transport Canada 95°C
- Severe cold durability: exceeds CSA cold bend/cold impact (-40/-35° C)
- Flame retardant: IEC 60332-3 Category A and IEEE 1202
- Suitable for use in Class I, Division 1 and Zone 1 environments.
- Braided armor of bronze. Tinned Copper available by request.