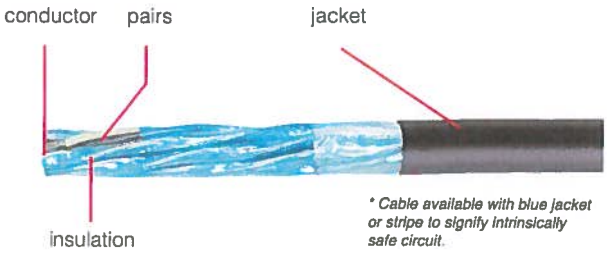
SPECIFICATION
HW279

SHIELDED PAIRS INSTRUMENTATION CABLE

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



** Cable available with blue jacket or stripe to signify intrinsically safe circuit.*

Catalog Number	Size AWG	Number of Pairs	Nominal Diameter (inches)	Weight (lbs/Mft.)
HW279 01801	18	1	0.336	63
HW279 01802	18	2	0.551	131
HW279 01803	18	3	0.581	163
HW279 01804	18	4	0.630	195
HW279 01805	18	5	0.685	243
HW279 01807	18	7	0.742	340
HW279 01808	18	8	0.800	388
HW279 01810	18	10	0.976	495
HW279 01812	18	12	1.011	581
HW279 01816	18	16	1.121	748
HW279 01818	18	18	1.181	824
HW279 01824	18	24	1.382	1069
HW279 01601	16	1	0.356	77
HW279 01602	16	2	0.565	160
HW279 01603	16	3	0.617	200
HW279 01604	16	4	0.671	239
HW279 01605	16	5	0.730	297
HW279 01607	16	7	0.792	416
HW279 01608	16	8	0.896	475
HW279 01610	16	10	1.047	606
HW279 01612	16	12	1.081	711
HW279 01616	16	16	1.207	948
HW279 01618	16	18	1.265	1100
HW279 01620	16	20	1.327	1215
HW279 01624	16	24	1.482	1510
HW279 01401	14	1	0.386	97
HW279 01402	14	2	0.621	202
HW279 01403	14	3	0.658	251
HW279 01404	14	4	0.721	301
HW279 01405	14	5	0.791	374
HW279 01407	14	7	0.905	524
HW279 01408	14	8	0.979	498
HW279 01410	14	10	1.148	747
HW279 01412	14	12	1.186	896

** 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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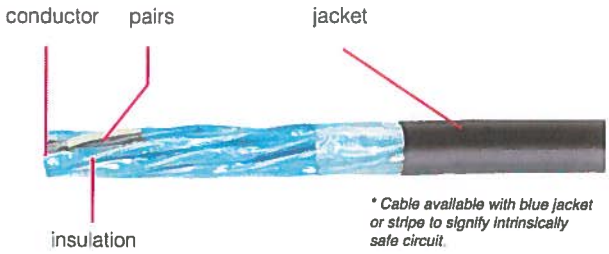

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APPLICATION:
Designed and constructed for the demanding environments of offshore drilling and petroleum facilities located throughout the world.

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.

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