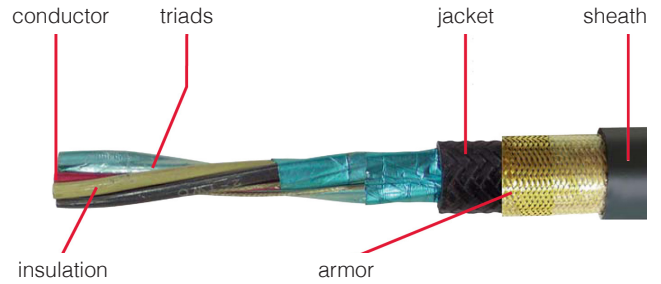


SPECIFICATION
HW284

**SHIELDED TRIADS
INSTRUMENTATION CABLE**

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



Catalog Number	Size AWG	Number of Pairs	Nominal Diameter (inches)	Weight (lbs/Mft.)
HW284 01801	18	1	0.504	199
HW284 01802	18	2	0.872	380
HW284 01803	18	3	0.911	393
HW284 01804	18	4	0.978	551
HW284 01805	18	5	1.094	561
HW284 01807	18	7	1.170	724
HW284 01808	18	8	1.249	870
HW284 01810	18	12	1.467	1195
HW284 01601	16	1	0.558	213
HW284 01603	16	3	0.958	466
HW284 01604	16	4	1.030	700
HW284 01606	16	6	1.235	955
HW284 01607	16	7	1.235	1050
HW284 01608	16	8	1.330	1103

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

See page 5 for Stranding Profile and Hawke Gland Info

Values:	
<p>#18 Pairs Capacitance (nF/1000 feet) = 28 Inductance (mH/1000) = 0.22 Resistance (Ohms/1000 feet = 7.21 (@ 20°)</p>	<p>#16 Pairs Capacitance (nF/1000 feet) = 32 Inductance (mH/1000) = 0.20 Resistance (Ohms/1000 feet = 4.52 (@ 20°)</p>

SHIELDED
TRIADS

SHIELDED TRIADS INSTRUMENTATION CABLE

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

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.

TRIADS:

Each triad is twisted with a bare tinned drain wire. Each triad is shielded with polyester-backed aluminum foil tape to afford 100% coverage. Triad to triad isolation plus overall shield is provided.

Triad Color Code: Black-White-Red.

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:

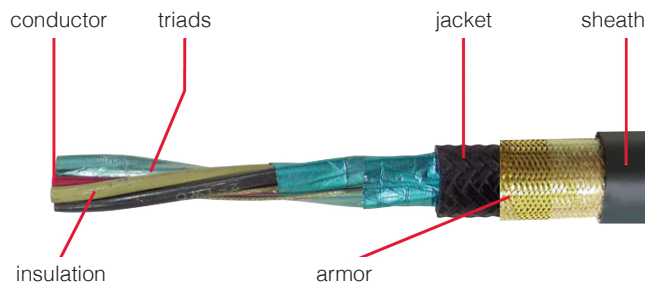
Black, arctic grade, flame retardant, oil, abrasion, chemical and sunlight resistant thermosetting compound meeting UL 1309/CSA C22.2 No. 245 and IEEE 1580.

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.

SHIELDED
TRIADS



MADE IN AMERICA

1-(800)-HOUWIRE
www.houwire.com

Type P Catalog. All data subject to change without notice.

HWC
HOUSTON WIRE & CABLE COMPANY