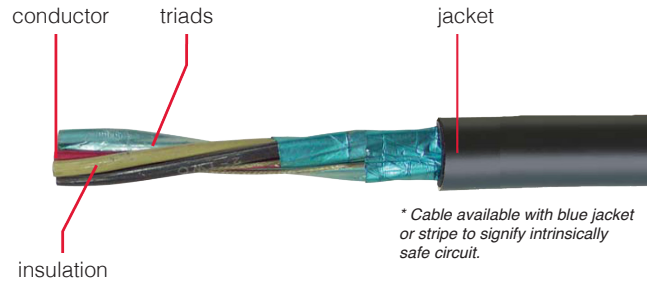


SPECIFICATION
HW282

**SHIELDED TRIADS
INSTRUMENTATION CABLE**

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



Catalog Number	Size AWG	Number of Pairs	Nominal Diameter (inches)	Weight (lbs/Mft.)
HW282 01801	18	1	0.354	75
HW282 01802	18	2	0.649	183
HW282 01803	18	3	0.688	190
HW282 01804	18	4	0.755	281
HW282 01805	18	5	0.871	286
HW282 01807	18	7	0.947	409
HW282 01808	18	8	1.026	515
HW282 01810	18	12	1.244	766
HW282 01601	16	1	0.376	86
HW282 01603	16	3	0.735	218
HW282 01604	16	4	0.807	410
HW282 01606	16	6	1.012	630
HW282 01607	16	7	1.012	710
HW282 01608	16	8	1.090	729

* 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>	<p>#14 Pairs Capacitance (nF/1000 feet) = 37 Inductance (mH/1000) = 0.19 Resistance (Ohms/1000 feet = 2.85 (@ 20°)</p>

SHIELDED
TRIADS

SHIELDED TRIADS INSTRUMENTATION CABLE

**0.6/1kV Unarmored 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:

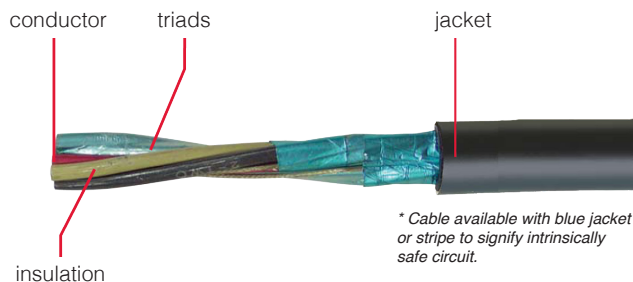
Flame Retardant Cross-linked Polyolefin, meeting the requirements for Type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 No. 245.

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.

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

