

**FRACKING/METHANE/NATURAL GAS
SEVERE DUTY CABLE
STEEL-FLEX ARMORED
SUBMERSIBLE PUMP CABLE
600 VOLT**



**INSULATION: XLPE, INSULATION JACKET: PVC, OUTER JACKET: POLYETHYLENE
ARMOR: GALVANIZED STEEL WIRE, SIZES: 14 - 4 AWG 90°C WET/DRY**

1.0 APPLICATIONS:

1.1 Cable is designed for Severe Duty applications where armoring is usually required. The jacket, made with an extra hard abrasion and impact resistant HDPE compound minimizes the potential for damage under severe conditions. The Armor is made of Steel Wire Armor that will not break down like aluminum will in gaseous environments. The inner PVC Jacket eliminates the possibility of any gas wicking so ballooning of the cable is essentially eliminated even if the outer jacket and armor are compromised. The cable is rated for use in deep well submersible fracking, methane and natural gas applications not exceeding 90°C.

2.4 Armor:

Single layer of galvanized steel wires applied spirally over the bedding Serve Wire Armor (SWA).

2.5 Outer Jacket:

Black PVC type ST2 FR accordance to IEC 60502-1.

2.6 Core Identification:

HD 308 S2 or according to your order.

2.7 Maximum Conductor Operating Temperature:

Safety yellow PVC overall jacket meeting the requirements of UL83.

2.8 Lowest Installation Temperature:

0°C

2.9 Operation Temperature:

-30°C to +90°C

2.10 Maximum Short-Circuit Conductor Temperature:

+250°C

2.11 Flame Retardant:

IEC 60332-3C

2.12 Minimum Bending Radius:

6 x D cables with circular copper conductors
D – overall diameter of the cable.

CONSTRUCTION:

2.1 Conductors:
Class B stranded copper

2.2 Insulation:
Cross-linked polyethylene XLPE in accordance with IEC 60502-1.

2.3 Bedding:
PVC compound.

3.0 Physical:

CONDUCTOR SIZE (AWG)	NUMBER OF INSULATED CONDUCTORS	GROUNDING CONDUCTOR SIZE (AWG)	INSULATION THICKNESS		INNER JACKET THICKNESS		NOMINAL STEEL WIRE ARMOR DIAMETER		NOMINAL OUTER JACKET THICKNESS		CABLE O.D.		CABLE WEIGHT	
			Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	(lbs)	kgs/km
14	3	12	0.0299	0.76	0.0394	1.00	0.0492	1.25	0.0512	1.3	0.6102	15.5	1133	514
10	3	12	0.0299	0.76	0.0394	1.00	0.0492	1.25	0.0512	1.3	0.6890	17.5	1508	684
6	3	8	0.0449	1.14	0.0394	1.00	0.0492	1.25	0.0512	1.3	0.9173	23.3	2740	1243
4	3	8	0.0449	1.14	0.0472	1.20	0.0630	1.60	0.0512	1.3	1.0472	26.6	3938	1786

We're Big in Big pump cable.

