

## NAVIGATION

CASED HOLE

OPEN HOLE

.377"

3/16"

5/16"

3/8"

7/16"

15/32"

.474"

DuraSlam

.49"

.54"

SOUR SERVICE

GEOTHERMAL

GREASELESS

FIBER OPTIC

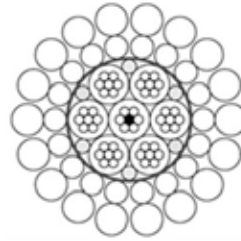
MECHANICAL WIRELINE

# 7H47-EHS

0.474" (12.04 mm)

7-CONDUCTOR

Slammer



## PROPERTIES

Cable Diameter	0.474" +0.005" - 0.002"	(12.04mm +0.13mm -0.05mm)
Minimum Sheave Diameter	32"	(81 cm)
Cable Stretch Coefficient	0.63 ft/Kft/Klbs	(0.71 m/Km/5KN)

## ELECTRICAL

Maximum Conductor Voltage	1,100 VDC	
Conductor AWG Rating	20	
Minimum Insulation Resistance	1,500 Mega $\Omega$ /Kft @ 500 VDC	(457 Mega $\Omega$ /Km @ 500 VDC)
Armor Electrical Resistance	1.1 $\Omega$ /Kft	(3.6 $\Omega$ /Km)

## MECHANICAL

Cable Breaking Strength			
Ends Fixed	24,500 lbs	(109 KN)	Nominal
Maximum Suggested Working Tension	12,250 lbs	(55 KN)	
Number and Size of Wires			
Inner Armor	18 x 0.0470"	(1.194 mm)	
Outer Armor	18 x 0.0655"	(1.664 mm)	
Average Wire Breaking Strength			
Inner Armor	542 lbs	(2.4 KN)	
Outer Armor	1,054 lbs	(4.7 KN)	

Cable Type	Core Description									Cable Weight		
	Temperature Rating			Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	Tape Type	in Air	in H <sub>2</sub> O
	1 hr. Max Temp	8 hr. Max Temp	Cont. Max Temp								in mm	in mm
7H47RP-EHS	300 149	275 135	250 121	Poly	0.023 0.584	7x0.0128 7x0.325	9.8 32.2	46 151	0.084 2.134	Dacron	372 554	308 458
7H47RXZ-EHS	420 216	375 191	325 163	Camtane ETFE	0.0115 0.292 0.0115 0.292	7x0.0128 7x0.325	9.8 32.2	48 157	0.061 1.549 0.084 2.134	Dacron	385 573	318 474
7H47RTZ-EHS	500 260	450 232	400 204	FEP ETFE	0.0115 0.292 0.0115 0.292	7x0.0128 7x0.325	9.8 32.2	46 151	0.061 1.549 0.084 2.134	Dacron	392 583	326 485

- ▶ The armor wires are high tensile, Galvanized Extra Improved Plow Steel (GEIPS), and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed.
- ▶ Core assembly – Conductors are bound with conductive tape and voids are filled with conductive paste and string.
- ▶ Conductors are "Water Blocked" to reduce water and gas migration. Conductor resistance is measured at 68° F.
- ▶ The temperature rating assumes a normal gradient for both temperature and weight.
- ▶ Center conductor construction is 6x0.0142" with a non-conductive center member. The typical capacitance is reduced by approximately 5 to 10% and the capacitance is increased by approximately 5 to 10% in comparison to the outer conductors.
- ▶ All values shown are nominal or typical values.
- ▶ Dacron® does not withstand temperatures exceeding 300° F. Nomex® is available by customer request at time of order for additional cost.