

**1/4" (6.55 mm)
MONOCONDUCTOR
1N25**

PROPERTIES:

Cable Diameter:	0.258" +0.005" - 0.002"	(6.55mm + 0.13mm -0.05mm)
Minimum Sheave Diameter:	14"	(36 cm)
Cable Stretch Coefficient	1.9 ft/Kft/Klbs	(2.14 m/Km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	16	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500VDC	(457 MegaΩ/Km @ 500VDC)
Armor Electrical Resistance:	3.0 Ω/Kft	(9.84 Ω/Km)

MECHANICAL:
Cable Breaking Strength:

Ends Fixed:	7,000 lbs	(31.1 KN)	Nominal
-------------	-----------	-----------	---------

Maximum Suggested Working Tension:

3,500 lbs	(15.6 KN)
-----------	-----------

Number and Size of Wires:

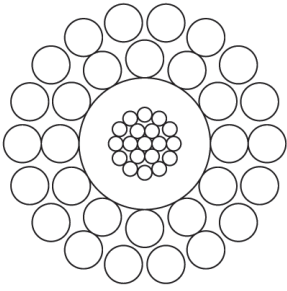
Inner Armor	12 x 0.0358"	(0.909 mm)
Outer Armor	18 x 0.0358"	(0.909 mm)

Average Wire Breaking Strength:

Inner Armor	272 lbs	(1.21 KN)
Outer Armor	272 lbs	(1.21 KN)

Cable Type	Core Description							Cable Weight		
	Temp Rating	Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	in Air	in H2O	Spec. Gravity
	°F °C							in mm	in mm	
1N25PP	300	Poly	0.033	19x0.0119 19x0.302	4.1 13.5	50 164	0.123 3.124	120	98	6.30
	149		0.838					178	146	
1N25PXZ	420 216	Camtane	0.0130	19x0.0119 19x0.302	4.1 13.5	53 174	0.085 2.159 0.123 3.124	124	101	6.55
			0.330							
		ETFE	0.019 0.483					185	151	
1N25PTZ	500 260	FEP	0.0130	19x0.0119 19x0.302	4.1 13.5	53 174	0.085 2.159 0.123 3.124	125	102	6.60
		0.330								
		ETFE	0.019 0.483					186	152	

- * 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 and cables are post tensioned.
- * Core assembly – Copper strand consists of a total of nineteen wires. Conductor resistance is measured at 68° F. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration.
- * SUPERSEAL, a special pressure seal agent, is applied between armor layers.
- * The temperature rating assumes a normal gradient for both temperature and weight.
- * All values shown are nominal or typical values.



**1/4" (6.55 mm) MONOCONDUCTOR
1N25 CORROSION RESISTANT
S-75**

PROPERTIES:

Cable Diameter:	0.258" +0.005" - 0.002"	(6.55mm + 0.13mm -0.05mm)
Minimum Sheave Diameter:	14"	(36 cm)
Cable Stretch Coefficient	2.3 ft/Kft/Klbs	(2.60 m/Km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	16	
Minimum Insulation Resistance	1,500 MegaΩ/Kft @ 500VDC	(457 MegaΩ/Km @ 500VDC)
Armor Electrical Resistance:	10.0 Ω/Kft	(32.8 Ω/Km)

MECHANICAL:

Cable Breaking Strength:

Ends Fixed:	6,000 lbs	(26.7 KN)	Nominal
-------------	-----------	-----------	---------

Maximum Suggested Working Tension:

3,000 lbs	(13.3 KN)
-----------	-----------

Number and Size of Wires:

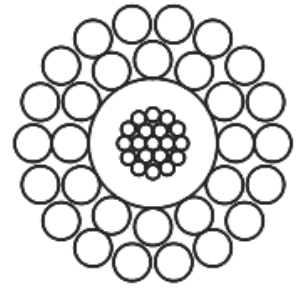
Inner Armor	12 x 0.0358"	(0.909 mm)
Outer Armor	18 x 0.0358"	(0.909 mm)

Average Wire Breaking Strength:

Inner Armor	247lbs	(1.10 KN)
Outer Armor	247 lbs	(1.10 KN)

Cable Type	Core Description							Cable Weight		
	Temp Rating	Plastic Type	Insulation Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	in Air	in H2O	Spec. Gravity
	°F °C							lbs/Kft	Kg/Km	
1N25WA - S75	See Below	PFA	0.032	19x0.0119	4.4	53	0.085	127	102	6.64
			0.081	19x0.302	14.4	174	2.159	189	154	
							0.123			
							3.124			

- * Insulation is rated to 500° F. Armor wires are rated to 325° F at "low exposure" to H2S & CO2.
- * The armor wires are made of UNS N08926, a corrosion resistant stainless steel and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed and cables are post tensioned.
- * The nickel coated copper wires are made of ASTMB355 Class 10 and they are used to increase corrosion protection.
- * Core assembly – Copper strand consists of a total of nineteen wires. Conductor resistance is measured at 68° F. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration.
- * SUPERSEAL, a special pressure seal agent, is applied between armor layers.
- * The temperature rating assumes a normal gradient for both temperature and weight.
- * All values shown are nominal or typical values.



**1/4" (6.55 mm) MONOCONDUCTOR
1N25 CORROSION RESISTANT
S77**

PROPERTIES:

Cable Diameter:	0.258" +0.005" - 0.002"	(6.55mm + 0.13mm -0.05mm)
Minimum Sheave Diameter:	14"	(36 cm)
Cable Stretch Coefficient	2.3 ft/Kft/Klbs	(2.60 m/Km/5KN)

ELECTRICAL:

Maximum Conductor Voltage	1,200 VDC	
Conductor AWG Rating	16	
Minimum Insulation Resistance	1,500 Mega Ω /Kft @ 500VDC	(457 Mega Ω /Km @ 500VDC)
Armor Electrical Resistance:	10.0 Ω /Kft	(32.8 Ω /Km)

MECHANICAL:

Cable Breaking Strength:			
Ends Fixed:	6,500 lbs	(28.9 KN)	Nominal
Maximum Suggested Working Tension:	3,250 lbs	(14.5 KN)	
Number and Size of Wires:			
Inner Armor	12 x 0.0358"	(0.909 mm)	
Outer Armor	18 x 0.0358"	(0.909 mm)	
Average Wire Breaking Strength:			
Inner Armor	252 lbs	(1.12 KN)	
Outer Armor	252 lbs	(1.12 KN)	

Cable Type	Core Description							Cable Weight		
	Temp Rating	Plastic Insulation	Type Thickness	Copper Construction	Res Typical	Cap. Typical	O.D. Each	in Air	in H2O	Spec. Gravity
	°F °C		in mm	in mm	Ω /Kft Ω /Km	pf/ft pf/m	in mm	lbs/Kft Kg/Km		
1N25WA - S77	See Below	PFA	0.032 0.081	19x0.0119 19x0.302	4.6 15.1	53 174	0.123 3.124	127 189	102 154	6.64

- * Insulation is rated to 500° F. Armor wires are rated to 425° F at "elevated" levels of H2S + CO2.
- * The armor wires are made of UNS S31277, a corrosion resistant stainless steel and coated with anti-corrosion compound for protection during shipping and storing. Wires are preformed and cables are post tensioned.
- * The nickel coated copper wires are made of ASTMB355 Class 10 and they are used to increase corrosion protection.
- * Core assembly – Copper strand consists of a total of nineteen wires. Conductor resistance is measured at 68° F. Voids in the copper strand are filled with a water-blocking agent to reduce water and gas migration.
- * SUPERSEAL, a special pressure seal agent, is applied between armor layers.
- * The temperature rating assumes a normal gradient for both temperature and weight.