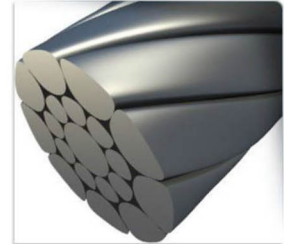


X-Wires / ECO-3 Alloy

SPECIAL ALLOYED BRAIDED LINE ROPE FOR WIRELINE OPERATION



Chemical composition of stainless steel ECO-3												
Grade	C	Si	Mn	p	S	Cr	Mo	Ni	N	Cu	Ti	PREN*
ECO-3	0.019	0.35	1.83	0.031	0.026	16.94	2.08	10.05	0.077	-	-	26

* PREN: Pitting Resistance Equivalent Number ($PREN = \%Cr + (3.3 \times \%Mo) + (30 \times \%N)$)

COMPARISON OF THE CHARACTERISTICS OF GRADE IN DIFFERENT CORROSIVE MEDIA ECO-3	
Hydrogen sulfide, carbon dioxide	
Acid resisting, it may be used in concentration up to 30% CO ₂ . Without the presence of H ₂ S	
Chloride, Seawater, Salty Solution, Etc.	
It may be use in concentrations up to 2-3% chloride, provides resistance to pitting corrosion	
Chloride, Hydrogen sulfide, Carbon dioxide	
It may be used in concentrations of H ₂ S+CO ₂ up to 30% provide that chlorides don't exceed 2-3% without the presence of H ₂ S temperature up to 150°C	

COMPARISON OF THE CHARACTERISTIC OF GRADES IN DIFFERENT CORROSIVE MEDIA			
Rope diameter (Inch)	Weight (LB/1000ft)	ECO-3 (LBF)	SUPER-7 (LBF)
3.16"	8600	4900	4980
7.32"	11153	6450	6550
1.4"	14781	8630	8600
5.16"	19753	11550	13400