



Cables for Oil Industry

Color Code: E2 per ICEA S-73-532

Cond. No.	Base Color	Tracer	Cond. No.	Base Color	Tracer
1	Black	-	19	Orange	Blue
2	Red	-	20	Yellow	Blue
3	Blue	-	21	Brown	Blue
4	Orange	-	22	Black	Orange
5	Yellow	-	23	Red	Orange
6	Brown	-	24	Blue	Orange
7	Red	Black	25	Yellow	Orange
8	Blue	Black	26	Brown	Orange
9	Orange	Black	27	Black	Yellow
10	Yellow	Black	28	Red	Yellow
11	Brown	Black	29	Blue	Yellow
12	Black	Red	30	Orange	Yellow
13	Blue	Red	31	Brown	Yellow
14	Orange	Red	32	Black	Brown
15	Yellow	Red	33	Red	Brown
16	Brown	Red	34	Blue	Brown
17	Black	Blue	35	Orange	Brown
18	Red	Blue	36	Yellow	Brown

For Insulation & Sheath Material Properties

Properties	LDPE	Cellular PE	HDPE	CSPE	PP	Cellular PP	PUR	Nylon	EPR	CPE
Oxidation Resistance	E	E	E	E	E	E	E	E	G	E
Heat Resistance	G	G	E	E	E	E	G	E	E	E
Oil Resistance	G-E	G	G-E	G	F	F	E	E	F	E
Low-Temperature Flexibility	E	E	E	F	P	P	G	G	G-E	E
Weather, Sun Resistance	E	E	E	E	E	E	G	E	E	E
Ozone Resistance	E	E	E	E	E	E	E	E	E	E
Abrasion Resistance	G	F	E	G	F-G	F-G	O	E	G	E-O
Electrical Properties	E	E	E	G	E	E	P	P	E	E
Flame Resistance	P	P	P	G	P	P	P	P	P	E
Nuclear Radiation Resistance	G-E	G	G-E	G	F	F	G	F-G	G	O
Water Resistance	E	E	E	G-E	E	E	P-G	P-F	G-E	O



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Acid Resistance	G-E	G-E	E	E	E	E	F	P-F	G-E	E
Alkali Resistance	G-E	G-E	E	E	E	E	F	E	G-E	E
Aliphatic Hydrocarbons Resistance (Gasoline, Kerosene, etc.)	G-E	G	G-E	F	P-F	P	P-G	G	P	E
Aromatic Hydrocarbons Resistance (Benzol, Toluol, etc.)	P	P	P	F	P-F	P	P-G	G	F	G-E
Halogenated Hydrocarbons Resistance	G	G	G	P-F	P	P	P-G	G	P	E

Properties	Styrene Butadiene Rubber	Natural Rubber	Synthetic Rubber	Poly Butadiene	Neoprene	PVC	NBR	NBR/PVC
Oxidation Resistance	F	F	G	G	G	E	F	E
Heat Resistance	F-G	F	F	F	G	G-E	G	G
Oil Resistance	P	P	P	P	G	F	G-E	G
Low-Temperature Flexibility	F-G	G	E	E	F-G	P-G	F	F
Weather, Sun Resistance	F	F	F	F	G	G-E	F-G	G
Ozone Resistance	P	P	P	P	G	E	P	G
Abrasion Resistance	G-E	E	E	E	G-E	F-G	G-E	E
Electrical Properties	E	E	E	E	F	F-G	P	F
Flame Resistance	P	P	P	P	G	E	P	G
Nuclear Radiation Resistance	F-G	F-G	F-G	P	F-G	F	F-G	P
Water Resistance	G-E	G-E	E	E	G	F-G	G-E	E
Acid Resistance	F-G	F-G	F-G	F-G	G	G-E	G	G
Alkali Resistance	F-G	F-G	F-G	F-G	G	G-E	F-G	G
Aliphatic Hydrocarbons Resistance (Gasoline, Kerosene, etc.)	P	P	P	P	G	P	E	G-E
Aromatic Hydrocarbons Resistance (Benzol, Toluol, etc.)	P	P	P	P	P-F	P-F	G	G
Halogenated Hydrocarbons Resistance	P	P	P	P	P	P-F	P	G

P = Poor F = Fair G = Good E = Excellent O = Outstanding

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