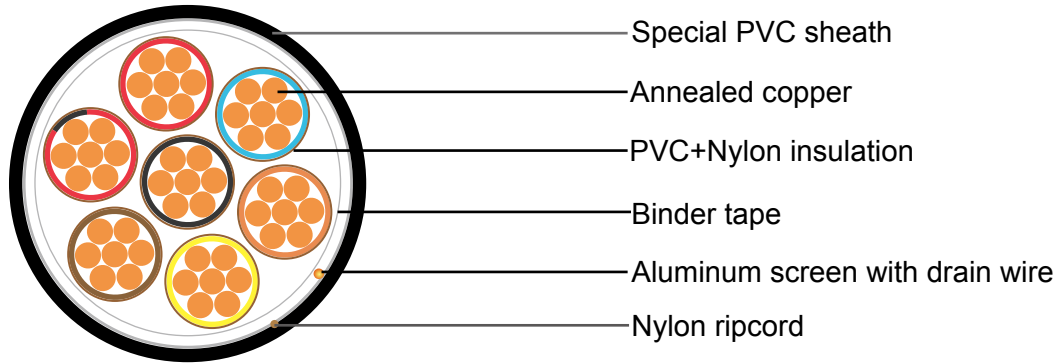


# Cables for Oil Industry

## Screened TFN Cable



Screened TFN Cable

### Applications

These cables are used in class 1, Division 2 Hazardous locations, may be installed in trays, wire ways, ducts, conduit and aerially when properly supported by a messenger. They are approved for direct burial, wet or dry locations and outdoors in cable trays where a sunlight resistant rating is required.

### Standards

ICEA S-73-532; UL 1277; UL 66

### Construction

Conductor: Bare, annealed copper conforming to ASTM B3 and B8

Insulation: Flame-retardant PVC/Nylon type TFN per UL 66

Color coded per Method #1-E2 per ICEA S-73-532

Binder tape

Screen: Aluminum tape

Drain Wire: 18 AWG (7w) tinned copper for 16 AWG conductor

20 AWG (7w) tinned copper for 18 AWG conductor

Ripcord: Nylon

Jacket: Special PVC, flame retardant, UL listed sunlight and moisture resistant, meeting the requirements of UL 1277. Color: Black

Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

16 AWG, 600V, Rated 90°C

No. of Cores	PVC Thickness	Nylon Thickness	Jacket Thickness	Nom. O.D.	Approx. Weight	Ampacity
	mm	mm	mm	mm	kg/km	amps
2	0.38	0.10	1.14	7.57	76	8.0
3	0.38	0.10	1.14	7.98	100	8.0
4	0.38	0.10	1.14	8.61	119	6.4
5	0.38	0.10	1.14	9.35	143	6.4



6	0.38	0.10	1.14	10.11	165	6.4
7	0.38	0.10	1.14	10.11	179	5.6
8	0.38	0.10	1.14	11.05	202	5.6
9	0.38	0.10	1.14	11.86	222	5.6
10	0.38	0.10	1.14	12.62	240	4.0
11	0.38	0.10	1.14	12.80	257	4.0
12	0.38	0.10	1.52	13.94	278	4.0
13	0.38	0.10	1.52	14.17	317	4.0
14	0.38	0.10	1.52	14.61	341	4.0
15	0.38	0.10	1.52	14.96	360	4.0
19	0.38	0.10	1.52	16.10	448	4.0
20	0.38	0.10	1.52	16.56	461	4.0
25	0.38	0.10	1.52	18.47	561	3.6
30	0.38	0.10	1.52	19.69	655	3.6
37	0.38	0.10	2.03	22.20	845	3.2
40	0.38	0.10	2.03	22.99	899	3.2
45	0.38	0.10	2.03	24.26	995	2.8
50	0.38	0.10	2.03	25.12	1106	2.8

18 AWG, 600V, Rated 90°C

No. of Cores	PVC Thickness	Nylon Thickness	Jacket Thickness	Nom. O.D.	Approx. Weight	Ampacity
	mm	mm	mm	mm	kg/km	amps
2	0.38	0.10	1.14	7.11	57	6.0
3	0.38	0.10	1.14	7.47	73	6.0
4	0.38	0.10	1.14	8.06	86	4.8
5	0.38	0.10	1.14	8.71	108	4.8
6	0.38	0.10	1.14	9.40	122	4.8
7	0.38	0.10	1.14	9.40	136	4.2
8	0.38	0.10	1.14	10.26	145	4.2
9	0.38	0.10	1.14	10.99	167	4.2
10	0.38	0.10	1.14	11.68	188	3.0
11	0.38	0.10	1.14	11.84	193	3.0
12	0.38	0.10	1.14	12.18	202	3.0
13	0.38	0.10	1.14	12.39	214	3.0



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14	0.38	0.10	1.14	12.77	228	3.0
15	0.38	0.10	1.14	13.09	245	3.0
19	0.38	0.10	1.52	14.88	320	3.0
20	0.38	0.10	1.52	15.30	326	3.0
25	0.38	0.10	1.52	17.01	416	2.7
30	0.38	0.10	1.52	18.11	473	2.7
37	0.38	0.10	1.52	19.46	580	2.4
40	0.38	0.10	1.52	20.17	606	2.4
45	0.38	0.10	2.03	22.32	673	2.1
50	0.38	0.10	2.03	23.10	783	2.1

