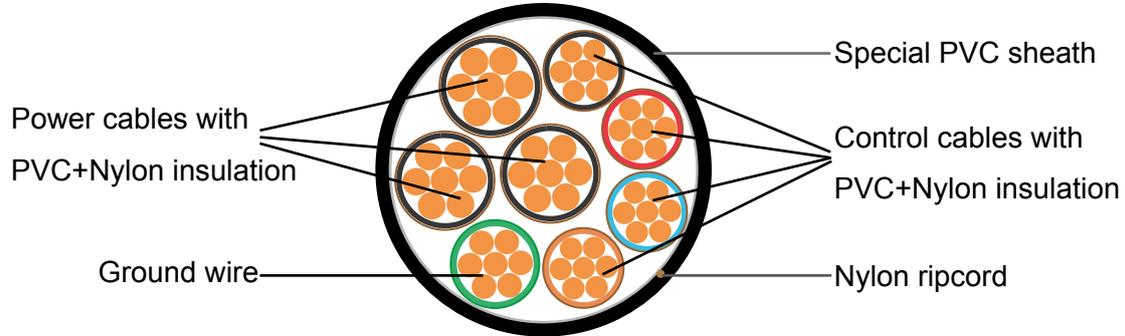




Cables for Oil Industry

Unscreened Composite THHN/THWN-2 Cable



Unscreened Composite THHN/THWN-2 Cable

Applications

These cables are use 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; ICEA S-95-658; UL 1277; UL 83

Construction

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

4 Control Conductors with 3 Power conductors and 1 Ground Wire

Insulation: Flame-retardant PVC/Nylon type THHN/THWN-2 per UL 83

Core identification:

Control conductors are color coded as E2 per ICEA S-73-532

Power conductors are black with numbers

Ground wire are green insulated

Binder tape

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

600V, Rated 90°C

Control Cable		Power Cable		Ground Wire	Jacket Thickness	Nom. O.D.	Approx. Weight	Ampacity	
Size (AWG)	Insulation Thickness PVC/Nylon (mm)	Size (AWG)	Insulation Thickness PVC/Nylon (mm)					Control (amps)	Power (amps)
12	0.38/0.10	10	0.51/0.10	10	1.52	15.37	467	21	28



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12	0.38/0.10	8	0.76/0.13	10	1.52	18.19	616	21	55
12	0.38/0.10	6	0.76/0.13	8	1.52	19.66	808	21	75
12	0.38/0.10	4	1.02/0.15	8	2.03	22.61	1125	21	95
12	0.38/0.10	2	1.02/0.15	6	2.03	25.50	1582	21	130

600V, Rated 90°C

Control Cable		Power Cable		Ground Wire	Jacket Thickness	Nom. O.D.	Approx. Weight	Ampacity	
Size (AWG)	Insulation Thickness PVC/Nylon (mm)	Size (AWG)	Insulation Thickness PVC/Nylon (mm)					Size (AWG)	(mm)
14	.38/.10	12	.38/.10	12	1.52	13.46	333	17.5	21
14	.38/.10	10	.38/.10	10	1.52	15.14	423	17.5	28
14	.38/.10	8	.76/.10	10	1.52	17.63	558	17.5	55
14	.38/.10	6	.76/.10	8	1.52	19.43	759	17.5	75
14	.38/.10	4	1.02/.15	8	2.03	22.99	1042	17.5	95
14	.38/.10	2	1.02/.15	6	2.03	25.50	1534	17.5	130

