

Tray Cable 12-2 AWG Shielded with and without Ground XHHW/PVC

Scope:

Stranded copper conductors (ASTM B-8), crosslinked polyethylene (type XHHW-2) insulated for moisture and heat resistance. Phase identified and cabled together with fillers and/or binders as required. Optional bare copper or insulated green ground cable is included as well. Cabled core is covered with an Aluminum-Mylar shield and a tinned copper drain wire. Covered with an overall black PVC jacket that is gas and oil resistant. Jacket available in colors. Suitable for use in hazardous locations: Class 1 and 2, Division 2.

Applicable Standards and Tests:

- UL 1277 at 600 volts
- Flame Rated: IEEE 1202 (70,000 BTU)
- ICEA S-95-658/NEMA WC-70
- Temperature Rated at 90°C Wet/Dry
- -25°C Rated
- VW-1 Rated Conductors
- Direct Burial & Sunlight Resistant
- Exposed Runs Rated (TC-ER)
- Color Code: NEMA WC 57/ICEA S-73-532 Table E-2

Construction:

Conductors: Concentric 7 strand soft drawn annealed copper per UL and ASTM requirements. Tinned conductors and other stranded configurations are available upon request. Single conductors are Oil & Gas Resistant II.

Insulation: Crosslinked polyethylene (XLP) is VW-1 rated and Oil and Gasoline Resistant II. All black insulation is rated "Sunlight Resistant".

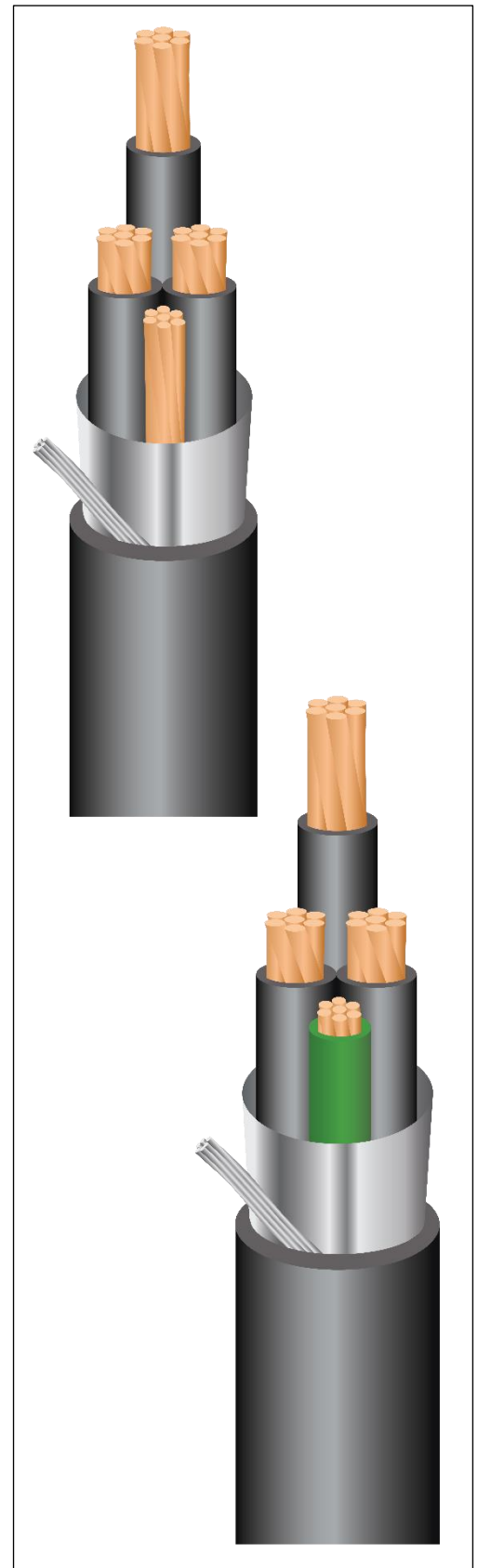
Ground Conductor: Bare copper conductor or insulated green crosslinked polyethylene (XLP) is Oil and Gasoline Resistant II.

Shield: Aluminum-Mylar shield with an optional tinned copper drain wire.

Jacket: A black, flame resistant, Polyvinyl Chloride (PVC) jacket is extruded over the assembly. The surface profile shall approximate that of the interior assembly.

Identification and Packaging:

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. Custom lengths, color, and packaging is available by request.



XHHW/PVC Tray Cable Shielded with NO Ground

AWG	Number of Conductors	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
8	2	45	0.48	196
8	3	60	0.64	290
8	4	60	0.70	365
6	2	60	0.58	303
6	3	60	0.72	403
6	4	60	0.80	525
4	2	60	0.68	421
4	3	60	0.82	584
4	4	80	0.94	779
2	2	60	0.74	602
2	3	80	0.99	958

XHHW/PVC Tray Cable Shielded with Bare Copper Ground

AWG	Number of Conductors	Size of Ground Wire (AWG)	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
12	2	12	45	0.39	118
12	3	12	45	0.44	148
12	4	12	45	0.49	179
10	2	10	45	0.43	175
10	3	10	45	0.49	204
10	4	10	60	0.57	278
8	2	10	60	0.55	250
8	3	10	60	0.63	322
8	4	10	60	0.70	397
6	2	8	60	0.63	365
6	3	8	60	0.72	467
6	4	8	60	0.80	577
4	2	8	60	0.71	492
4	3	8	60	0.79	632
4	4	8	80	0.94	910
2	2	6	60	0.80	694
2	3	6	80	0.99	958

XHHW/PVC Tray Cable Shielded with Green Insulated Ground

AWG	Number of Conductors	Size of Ground Wire (AWG)	Jacket Thickness (mils)	Nominal Diameter over Jacket (inches)	Approximate Net Weight (lbs./Mft.)
12	2	12	45	0.43	145
12	3	12	45	0.48	159
12	4	12	60	0.55	204
10	2	10	45	0.48	190
10	3	10	45	0.52	230
10	4	10	60	0.61	290
8	2	10	60	0.59	265
8	3	10	60	0.66	335
8	4	10	60	0.74	409
6	2	8	60	0.69	387
6	3	8	60	0.77	498
6	4	8	80	0.89	630
4	2	8	60	0.78	513
4	3	8	80	0.89	685
4	4	8	80	0.99	933
2	2	6	80	0.91	763