

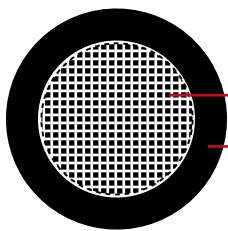


USE-2

Application

The product can be installed as general purpose building wire, used in service entrance, feeders and branch circuits applications for residential, commercial, industrial and transportation environments for permanent installations utilizing 600 volts or less. Suitable for directly buried installations or ducts and can be used in environments where superior insulation toughness and chemical resistance is required. The product high resistance to humidity makes this cable suitable for wet location, for outdoors and for weather resistant use. USE-2 cable can be installed in electrical metallic tubing, PVC conduits and other raceways, in free air messenger support or directly buried. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.

Construction



Compressed stranded aluminum conductor
Cross-Linked Polyethylene insulation



Conductor: Compressed stranded aluminum conductor 1359 H-19

Insulation: UL 854 recognized cross-linked polyethylene

Color: upon request, black is preferable

Compliances:

- ▶ B-230 Aluminum Wire, 1350-H19 for Electrical Purposes.
- ▶ B-231 Aluminum 1350 Conductors, Concentric-Lay-Stranded.
- ▶ UL 854 (for USE-2)



American Standard UL

Parameters:

AWG or kcmil	Strands	Conductor Diameter Inch/mm		Nominal Insulation Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/kft kg/km	
6	7	0.169	4.29	0.060	1.52	0.289	7.34	45	67
4	7	0.213	5.41	0.060	1.52	0.333	8.46	64	95
2	7	0.268	6.81	0.060	1.52	0.388	9.86	93	138
1	19	0.299	7.59	0.080	2.03	0.459	11.66	122	182
1/0	19	0.337	8.56	0.080	2.03	0.497	12.62	147	219
2/0	19	0.377	9.58	0.080	2.03	0.537	13.64	179	266
3/0	19	0.425	10.80	0.080	2.03	0.585	14.86	218	324
4/0	19	0.476	12.09	0.080	2.03	0.636	16.15	266	396
250	37	0.520	13.21	0.095	2.41	0.710	18.03	318	473
300	37	0.571	14.50	0.095	2.41	0.761	19.33	373	555
350	37	0.618	15.70	0.095	2.41	0.808	20.52	428	637
400	37	0.657	16.69	0.095	2.41	0.847	21.51	481	716
500	37	0.736	18.69	0.095	2.41	0.926	23.52	587	873
700	61	0.878	22.30	0.110	2.79	1.098	27.89	815	1213
750	61	0.906	23.01	0.110	2.79	1.126	28.60	867	1290
1,000	61	1.059	26.90	0.110	2.79	1.279	32.49	1130	1681