

Copper RHH/RHW-2/USE-2

600V 90°C XLPE Insulation



APPLICATION:

USE-2 cables are primarily used for power distribution and may be installed in raceway, conduit, direct burial, and aerial installations. The cables may be used in wet or dry locations, with ambient temperatures not exceeding 90°C. Voltage rating for USE-2 cable is 600V. Sizes 1/0 and larger rated for use in cable tray.

CONDUCTORS:

- Soft drawn bare copper with Class B stranding per ASTM

INSULATION:

- Abrasion, heat, moisture, and flame resistant cross-linked polyethylene (XLPE) insulation

STANDARDS:

- UL 44, UL 854
- Federal Specification A-A-59544
- ICEA S-95-658/NEMA WC-70
- ASTM standards B3, B8, B787
- Rated 90°C Wet/Dry, Cold Temperature Rated at -40°C
- Flame Rated: CT Use (1/0 AWG and larger)
- Sunlight Resistant, Gasoline and Oil Resistant II

Part Number	Size	No. of Strands	Insulation Thickness		Overall Diameter		Net Weight lbs/kft	Ampacity** amps
	AWG/kcmil		inches	mm	inches	mm		
14-01XLPUESTR	14*	7	0.045	1.14	0.163	4.14	21	25
12-01XLPUESTR	12	7	0.045	1.14	0.182	4.62	30	30
10-01XLPUESTR	10	7	0.045	1.14	0.205	5.21	43	40
8-01XLPUESTR	8	7	0.060	1.52	0.263	6.68	69	55
6-01XLPUESTR	6	7	0.060	1.52	0.301	7.65	103	75
4-01XLPUESTR	4	7	0.060	1.52	0.350	8.89	156	95
2-01XLPUESTR	2	7	0.060	1.52	0.404	10.26	238	130
1-01XLPUESTR	1	19	0.080	2.03	0.476	12.09	307	145
1/0-01XLPUESTR	1/0	19	0.080	2.03	0.517	13.13	384	170
2/0-01XLPUESTR	2/0	19	0.080	2.03	0.562	14.27	476	195
3/0-01XLPUESTR	3/0	19	0.080	2.03	0.610	15.49	590	225
4/0-01XLPUESTR	4/0	19	0.080	2.03	0.669	16.99	735	260
250-01XLPUESTR	250	37	0.095	2.41	0.762	19.35	868	290
350-01XLPUESTR	350	37	0.095	2.41	0.866	22.00	1192	350
500-01XLPUESTR	500	37	0.095	2.41	0.986	25.04	1673	430
750-01XLPUESTR	750	61	0.110	2.79	1.205	30.61	2493	520
1000-01XLPUESTR	1000	61	0.110	2.79	1.370	34.80	3292	615

All values are nominal and subject to correction.

*The overcurrent protection shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-17 footnote.

**90°C Wet/Dry per NEC Table 310.16 for not more than three current carrying conductors in raceway based on 30°C ambient temperature.



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