

UF/TWU IRRIGATION WIRE



DESCRIPTION:

Regency's single conductor UF/TWU Irrigation Wire is manufactured for the purpose of direct burial power wire applications in accordance with Article 339 of the National Electric Code NFPA-70.

Conductor construction is soft drawn bare copper meeting the requirements of ASTM Specification B-3 and B-8. Gauge sizes 18 thru 8 are solid conductors. Sizes 6 thru 4/0 are stranded conductors.

The insulation is a high quality polyvinylchloride (PVC) for systems applications of up to 600 volts and conductor temperatures up to 60 C.

The UF/TWU Irrigation Wire is constructed in accordance with Underwriters Laboratories, Inc. standard 493 and 83, as well as CSA 22.2 No. 75.

APPLICATION:

Suitable for use as power and control wire for irrigation systems.

CONSTRUCTION:

CONDUCTOR: Soft drawn bare copper (ASTM Spec. B-3 and B-8).

Solid (18 awg to 8 awg)

Stranded (6 awg to 4/0 awg)

INSULATION: Polyvinylchloride (PVC)

TEMPERATURE: 60° C

VOLTAGE: 600 volts

Conductor Size	Insulation Thickness	Colors
14	.060	1-12
12	.060	1-12
10	.060	1-9, 11
8	.080	1-8
6	.080	1-5
4	.080	1, 2, 3, 5
2	.080	1, 2, 3, 5

AVAILABLE COLORS: 1-Black, 2-White, 3-Red, 4-Blue, 5-Green, 6-Yellow, 8-Orange, 9-Gray, 10-Pink, 11-Purple, 12-Tan.

Material must be able to pass the following tests without showing signs of degradation:

COLD BEND: The insulation shall not show any cracks when sample is bent around a 3X mandrel after being subjected to -25 C for four (4) hours.

ELECTRICAL: AC test voltage, 60 seconds at 5000 volts.

SUNLIGHT RESISTANCE TEST: Samples conditioned for 300 hours of carbon-arc or xenon-arc exposure.



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