

SINGLE CONDUCTORS, TYPE UF/PE :

- This type of wire is a general purpose, direct burial, product that is widely used on all kinds of irrigation systems. Available from 20 AWG up to 10 AWG.
- Wires connecting the remote control valves to the irrigation controller shall be single conductors, type UF/TWU.
- Its construction incorporates a solid copper conductor and PVC insulation.
- The wires shall be listed for direct burial in irrigation systems and be rated at a minimum of 30 VAC. Wire sizes and colors are defined in the irrigation plans and other specifications.
- This type of wire, listed as Golf Course Sprinkler wire, was specifically designed for the harsh conditions of landscape projects where chemicals such as fertilizers, herbicides, pesticides, and fungicides are frequently applied.
- Wires connecting the remote control valves to the irrigation controller shall be single conductors, type PE. Its construction incorporates a solid copper conductor and polyethylene (PE) insulation.
- The wires shall be listed for direct burial in irrigation systems and be rated at a minimum of 30 VAC. Wire sizes and colors are defined in the irrigation plans and other specifications.



Two Wire UF/PE :

- Typically uses a 14 AWG/2c or 12 AWG/2c / 10 AWG/2c, two wire cables.
- This specification covers construction requirements for a 2/C control cable design to operate valve decoders / modules consisting of tin coated copper conductors, insulated with PVC and having a high density polyethylene direct burial jacket. Conductors are UL approved Type UF.
- Cable Assembly: Insulated conductors are laid parallel.
- Colour coding : Black, Red, Green, Orange, etc.,
- Outer Jacket : Pressure Extruded High Density PE conforming to ICEA S-16-402, and NEMA WC5 Jacket thickness 3/64" minimum jacket material to completely fill interstices between the two insulated conductors.
- Conductor : Soft annealed tin coated copper confirming to ASTM B-33.
- Insulation : Polyvinyl Chloride confirming to UL Standard 493 for Type UF rated 60°C.



NO. OFCOND.	SIZE(AWG)	STRAND	INS. WALL (MILS)	JACKET WALL (MILS)	O.D.	WEIGHTLBS/M
2	14	1	60	45	.280" x .470"	83
2	12	1	60	45	.300" x .505"	105

